CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 17	Port Huron, Mich. Adv. Apr. 6 and 13.	Apr. 6
Apr. 17	St. Paul, Minn.	Apr. 13
Apr. 17	Dunnville, Ont.	Apr. 13
Apr. 17	New York, N. Y.	Apr. 13
Apr. 18	Bennington, Vt. Adv. Apr. 6 and 13.	Apr. 13
Apr. 18	Lumberton, N. C.	Apr. 13
Apr. 18	Lexington, N. C.	Mar. 23
Apr. 19	Jamestown, N. Y.	Apr. 13
Apr. 20	Duluth, Minn. Adv. Apr. 13.	Apr. 13
Apr. 20	Raleigh, N. C. Adv. Apr. 13.	Apr. 13
Apr. 20	Buffalo, N. Y.	Apr. 13
Apr. 21	Delavan, Wis.	Apr. 13
Apr. 21	North Grafton, Mass. Adv. Apr. 13.	Apr. 13
Apr. 24	Adams, Mass. Adv. Apr. 13.	Apr. 13
Apr. 25	De Smet, S. D.	Apr. 6
Apr. 26	Lincoln, Neb.	Apr. 13
May 1	Lewistown, Mont. Adv. Apr. 13.	Apr. 13
May 8	St. Paul, Minn.	Apr. 13
May 8	Ft. Bragg, Cal.	Apr. 13

SEWERS

Apr. 17	Ames, Ia.	Mar. 16
Apr. 17	Wash., D. C.	Apr. 6
Apr. 17	Akron, O.	Apr. 13
Apr. 17	Midland, Ont.	Apr. 13
Apr. 18	Erie, Pa.	Apr. 13
Apr. 18	Hartford, Wis.	Apr. 6
Apr. 18	Jersey City, N. J.	Mar. 23
Apr. 18	Jersey City, N. J. Adv. Apr. 13.	Apr. 13
Apr. 18	Paterson, N. J.	Mar. 30
Apr. 20	South Norfolk, Va. Adv. Apr. 6 and 13.	Apr. 6
Apr. 20	Cleveland, O.	Apr. 13
Apr. 20	Peekskill, N. Y. Adv. Apr. 13.	Apr. 13
Apr. 21	Detroit, Mich.	Apr. 13
Apr. 25	De Smet, S. D.	Apr. 6
Apr. 27	Deer River, Minn.	Apr. 13
May 1	Decatur, Ill.	Apr. 6
May 1	Hammond, Ind. Adv. Apr. 13.	Apr. 13
May 9	Springwells, Mich. Adv. Apr. 13.	Apr. 13
June 1	Lima, O.	Apr. 13

BRIDGES

Apr. 17	Victoria, B. C. Adv. Mar. 23 to Apr. 13.	Mar. 23
Apr. 17	Galveston, Tex.	Mar. 30
Apr. 18	Pensacola, Fla.	Mar. 23
Apr. 18	Raymond, Wash.	Mar. 23
Apr. 18	Media, Pa.	Apr. 6
Apr. 19	Corydon, Ia.	Apr. 6
Apr. 21	Oswego, N. Y. Adv. Apr. 13.	Apr. 13
Apr. 24	Louisiana	Apr. 13
Apr. 24	Boston, Mass.	Apr. 13
Apr. 24	Bastrop, Tex.	Apr. 13
Apr. 25	Cincinnati, O.	Apr. 6
Apr. 25	North Carolina	Apr. 13
Apr. 26	Pillow, Pa.	Apr. 13
Apr. 26	Halifax, Pa.	Apr. 13
Apr. 26	Pecos, Tex.	Apr. 13
Apr. 28	Seattle, Wash.	Apr. 13
Apr. 28	Port Arthur, Tex. Adv. Apr. 13.	Apr. 13
May 10	Converse, S. C. Adv. Apr. 13.	Apr. 13
May 11	South Carolina Adv. Apr. 13.	Apr. 13
May 17	South Carolina Adv. Apr. 13.	Apr. 13
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Apr. 15	Watertown, N. Y.	Apr. 13
Apr. 20	Columbus, O.	Mar. 23
Apr. 22	Clarksburg, W. Va.	Mar. 23
Apr. 25	Culbertson, Neb.	Mar. 30
May 12	Highland Park (Joliet P. O.), Ill.	Mar. 30

EXCAVATION AND DREDGING

Apr. 18	Rochester, N Y. Adv. Mar. 23 to Apr. 13.	Mar. 23
Apr. 18	Dunkirk, N. Y. Adv. Apr. 13.	Apr. 13
Apr. 24	Tampa, Fla.	Apr. 6
May 10	Eudora, Ark. Adv. Mar. 30 to Apr. 13.	Apr. 6

STREETS AND ROADS

Apr. 14	New York Adv. Apr. 6 and 13.	Apr. 6
Apr. 15	Staunton, Va.	Apr. 13
Apr. 17	St. Paul, Minn.	Apr. 13
Apr. 17	Johnstown, N. Y.	Mar. 30
Apr. 17	Sterling, Col.	Mar. 23
Apr. 17	Ebensburg, Pa.	Mar. 30
Apr. 17	Everett, Wash.	Mar. 30
Apr. 17	California	Mar. 30
Apr. 17	Des Moines, Ia.	Apr. 13
Apr. 17	Louisiana	Apr. 6
Apr. 17	Kingsville, Ont.	Apr. 6
Apr. 17	Atlanta, Ga.	Apr. 13
Apr. 17	Albany, N. Y.	Apr. 13
Apr. 18	Lumberton, N. C.	Apr. 13
Apr. 18	Ogden, Utah	Apr. 13
Apr. 18	Green Bay, Wis.	Apr. 13
Apr. 18	Missouri	Apr. 6
Apr. 18	Michigan	Apr. 13
Apr. 18	Woodbury, N. J. Adv. Mar. 30 to Apr. 13.	Apr. 6
Apr. 18	Auburn, N. Y. Adv. Apr. 6 and 13.	Apr. 6
Apr. 18	Pennsylvania Adv. Mar. 30 to Apr. 13.	Mar. 30
Apr. 18	Washington	Mar. 23
Apr. 18	Bound Brook, N. J.	Mar. 30
Apr. 18	Longueil, Que.	Mar. 30
Apr. 18	Orlando, Fla.	Mar. 30
Apr. 18	Somerville, N. J.	Mar. 30
Apr. 18	Mankato, Minn.	Apr. 6
Apr. 18	Maryland Adv. Apr. 6 and 13.	Apr. 6
Apr. 18	Ft. Wayne, Ind.	Apr. 6
Apr. 18	Beaufort, S. C.	Apr. 6
Apr. 18	Williston, Fla.	Apr. 6
Apr. 18	Ohio	Apr. 6
Apr. 19	Brooklyn, N. Y.	Apr. 13
Apr. 19	New York, N. Y.	Apr. 13
Apr. 19	Blue Earth, Minn.	Apr. 13
Apr. 19	Pennsylvania Adv. Mar. 30 to Apr. 13.	Mar. 30
Apr. 19	Preston, Minn.	Mar. 23
Apr. 19	Danville, Ill.	Apr. 6
Apr. 19	Cleveland, Tenn.	Apr. 6
Apr. 19	Owatonna, Minn.	Apr. 6
Apr. 19	Michigan	Apr. 6
Apr. 19	Michigan	Apr. 13
Apr. 19	Wisconsin	Apr. 13
Apr. 19	Virginia	Apr. 13
Apr. 19	Toronto, Ont.	Apr. 13
Apr. 20	Breckenridge, Minn.	Apr. 13
Apr. 20	Maine	Apr. 13
Apr. 20	Bridgeport (Schuyler P. O.), Va.	Apr. 13
Apr. 20	Fairport, N. Y.	Apr. 13
Apr. 20	Ohio	Apr. 13
Apr. 20	Florence, S. C.	Apr. 13
Apr. 20	Michigan	Apr. 13
Apr. 20	Sturgis, S. D.	Apr. 13
Apr. 20	Bridgeport, W. Va.	Apr. 13
Apr. 20	Valdosta, Ga.	Mar. 30
Apr. 20	Vermont Adv. Apr. 13.	Apr. 13
Apr. 21	Michigan	Apr. 6
Apr. 21	Hutchinson, Kan.	Mar. 30
Apr. 21	Tennessee	Apr. 6
Apr. 21	Michigan	Apr. 13
Apr. 21	Phila., Pa.	Apr. 13
Apr. 21	Missouri	Apr. 6
Apr. 21	Ebensburg, Pa.	Apr. 6
Apr. 21	Wauwatosa, Wis.	Apr. 6
Apr. 21	Winchester, Ky. Adv. Apr. 13.	Apr. 13
Apr. 22	Rochester, N. Y.	Apr. 13
Apr. 24	Louisiana	Apr. 13
Apr. 24	Bradford, Pa. Adv. Apr. 13.	Apr. 13
Apr. 24	Minneapolis, Minn.	Mar. 23
Apr. 24	St. Paul, Minn.	Apr. 6
Apr. 24	Franklin, Pa.	Apr. 6
Apr. 24	California	Apr. 6
Apr. 24	Tampa, Fla.	Mar. 30
Apr. 24	Wichita Falls, Tex.	Apr. 13
Apr. 25	Lockport, N. Y.	Apr. 13
Apr. 25	Michigan	Apr. 13
Apr. 25	Leavenworth, Kan.	Apr. 13
Apr. 25	Madison, S. D.	Apr. 13
Apr. 25	Warren, Minn.	Apr. 13
Apr. 25	North Carolina Adv. Apr. 6 and 13.	Apr. 6
Apr. 25	New York Adv. Apr. 13.	Apr. 13
Apr. 25	Maryland Adv. Apr. 13.	Apr. 13
Apr. 26	Redfield, S. D.	Apr. 13
Apr. 26	Akron, O.	Apr. 13
Apr. 26	Columbus, O.	Apr. 13
Apr. 26	Greenfield, Ind.	Apr. 13
Apr. 27	Sisseton, S. D.	Apr. 13
Apr. 27	Tavares, Fla.	Apr. 6
Apr. 28	New Jersey Adv. Apr. 13.	Apr. 13
Apr. 28	Toms River, N. J. Adv. Apr. 13.	Apr. 13
Apr. 28	Mt. Holly, N. J.	Apr. 6
Apr. 28	Girard, Kan. Adv. Apr. 13.	Apr. 13
May 1	Grafton, W. Va. Adv. Apr. 13.	Apr. 13
May 1	Massachusetts	Apr. 13
May 1	Louisiana	Apr. 13
May 2	Alabama	Apr. 13
May 2	Clearwater, Fla.	Apr. 6
May 5	Tennessee	Apr. 13
May 16	South Carolina Adv. Apr. 13.	Apr. 13
May 31	Manchula, Fla.	Apr. 13

INDUSTRIAL WORK

Apr. 21	Joliet, Ill.	Apr. 13
Apr. 24	Thomasville, Ga. Adv. Apr. 13.	Apr. 13
Apr. 25	Syracuse, N. Y. Adv. Apr. 6 and 13.	Apr. 6
Apr. 29	Manitowoc, Wis.	Apr. 13
May 1	Phila., Pa.	Apr. 13

BUILDINGS

Apr. 15	Wash., D. C.	Apr. 13
Apr. 15	Phila., Pa.	Apr. 13
Apr. 17	Oakland, Cal.	Mar. 30
Apr. 17	New York, N. Y.	Apr. 6
Apr. 17	Denver, Col.	Apr. 6
Apr. 17	Stevens Point, Wis.	Apr. 13
Apr. 17	Minneapolis, Minn.	Apr. 13
Apr. 18	Pontiac, Mich.	Mar. 30
Apr. 18	Coffeyville, Kan.	Mar. 30
Apr. 18	Brooklyn, N. Y.	Mar. 30
Apr. 18	Hartford, Conn.	Apr. 6
Apr. 18	Grand Junction, Col.	Apr. 6
Apr. 19	Sebring, O.	Apr. 6
Apr. 19	Trenton, N. J.	Apr. 6
Apr. 19	Freehold, N. J. Adv. Apr. 6 and 13.	Apr. 6
Apr. 20	Decorah, Ia.	Mar. 30
Apr. 20	Geneva, Ill.	Apr. 6
Apr. 20	Seattle, Wash.	Apr. 13
Apr. 20	Ann Arbor, Mich.	Apr. 13
Apr. 21	Okemos Michigan	Apr. 13
Apr. 21	New Haven, Conn.	Mar. 23
Apr. 21	Alliance, Neb.	Mar. 23
Apr. 21	Germantown, O.	Mar. 30
Apr. 21	Stevens Point, Wis.	Apr. 13
Apr. 22	Williamsport, Pa.	Apr. 6
Apr. 24	Darbyville, O.	Apr. 6
Apr. 24	Chatham, N. J.	Apr. 6
Apr. 24	Andover, O.	Apr. 13
Apr. 25	Niagara Falls, N. Y.	Apr. 13
Apr. 25	Amsterdam, N. Y. Adv. Apr. 13.	Apr. 13
Apr. 25	Hartford, Conn.	Mar. 30
Apr. 25	Lancaster, Wis.	Apr. 6
Apr. 25	New Britain, Conn.	Apr. 13
Apr. 27	Centerburg, O.	Mar. 30
Apr. 27	Spooner, Wis.	Apr. 13
Apr. 27	Euclid, O.	Apr. 13
Apr. 28	Oconomowoc, Wis.	Apr. 6
May 1	Elizabeth, N. J.	Apr. 6
May 2	Gowrie, Ia.	Apr. 13
May 3	Brooklyn, N. Y.	Apr. 13
May 3	New Lebanon, O.	Apr. 6
May 4	Durand, Wis.	Apr. 13
May 6	Hopemont, W. Va.	Mar. 23
May 20	Durham, N. C.	Apr. 13

FEDERAL GOVERNMENT WORK

Apr. 17	Dredging — Providence, R. I. Adv. Mar. 23 to Apr. 13.	Mar. 23
Apr. 17	Barges—New York, N. Y. Adv. Mar. 30 to Apr. 13.	Mar. 30
Apr. 17	Drainage—Malta, Mont.	Mar. 30
Apr. 19	Radio Towers — Samoa, Tutuila	Mar. 23
Apr. 19	Shed—New York, N. Y.	Mar. 30
Apr. 19	Refrigeration System—Mobile, Ala.	Mar. 30
Apr. 19	Remodeling Quarters—Mare Island, Cal.	Apr. 13
Apr. 19	Heating System — Mobile, Ala.	Mar. 30
Apr. 19	Roads and Walks—San Diego, Cal.	Apr. 6
Apr. 19	Distributing System — San Diego, Cal.	Apr. 6
Apr. 19	Radio Quarters—Amagansett, N. Y.	Apr. 6
Apr. 21	Barges—Pittsburgh, Pa. Adv. Mar. 23 to Apr. 13.	Mar. 23
Apr. 24	Dredging — Wilmington, Del. Adv. Mar. 30 to Apr. 13.	Mar. 30

Bids Close		See Eng. News-Record
Apr. 25	Mailing Vestibule, etc.—East St. Louis, Ill. ..... Adv. Apr. 13.	Apr. 13
Apr. 26	Oil Storage Plants, etc. — Wash., D. C. ..... Adv. Apr. 13.	Apr. 13
Apr. 26	Substation, etc. — Boston, Mass.	Apr. 6
Apr. 26	Recreation Building—West Roxbury (Boston P. O.), Mass. ..... Adv. Apr. 13.	Apr. 13
Apr. 26	Fuel Oil Storage—Hampton Roads, Va. ..... Adv. Apr. 13.	Apr. 13
Apr. 27	Kitchen, etc. — Baltimore, Md.	Apr. 13
May 1	Bridge—Nenana, Alaska..	Mar. 16
May 2	Alterations—Austin, Tex... Adv. Apr. 13.	Apr. 13
May 3	Roads—Bellevue, D. C....	Apr. 13
May 4	Removal of Wreck — New York, N. Y. ..... Adv. Apr. 13.	Apr. 13
May 5	Alterations—Orlando, Fla..	Apr. 13
May 12	Plotting Room, etc. — Cape Henry, Va. ..... Adv. Apr. 13.	Apr. 13
May 15	Dredging—Phila., Pa..... Adv. Apr. 13.	Apr. 13
June 7	Machine Shop—Pearl Harbor, H. T.	Apr. 13

MISCELLANEOUS

Apr. 15	Heating Oven and Outfit—Shenandoah, Pa. ..... Adv. Mar. 30 to Apr. 13.	Mar. 30
Apr. 17	Water Valves, etc.—Springfield, Mass.	Apr. 6 and 13
Apr. 17	Pipe—Buffalo, N. Y.	Apr. 6
Apr. 17	Steel Rails, etc.—St. Petersburg, Fla.	Apr. 6
Apr. 17	Well Drilling Outfit—Buffalo, N. Y.	Apr. 13
Apr. 17	Paving Materials—St. Paul, Minn.	Apr. 13
Apr. 18	Pier—Phila., Pa.	Mar. 30
Apr. 19	Sanitary Work — Central Islip, N. Y. ..... Adv. Apr. 6 and 13.	Apr. 6
Apr. 19	Asphalt Road Oil, etc.—Brooklyn, N. Y.	Apr. 13
Apr. 20	Stone and Screenings—Kentucky	Apr. 13
Apr. 20	Water Meters — Petersburg, Ill.	Mar. 30
Apr. 20	Structural Steel Work—New Orleans, La.	Apr. 6
Apr. 20	Trailers—Indianapolis, Ind..	Apr. 6
Apr. 20	Steel Screw Ferry Boats — New York, N. Y.	Apr. 6
Apr. 20	Fuel Oil—Phila., Pa.....	Apr. 13
Apr. 21	Borings—Brooklyn N. Y...	Apr. 6
Apr. 22	Rein.-con. Pipe—South Carolina	Apr. 13
Apr. 24	Tractor—Finley, N. D.....	Apr. 6
Apr. 26	Grain Elevator — Norfolk, Va.	Apr. 6
Apr. 27	Plumbing, Heating and Ventilating Systems — Lincoln, Neb.	Mar. 30
Apr. 29	Cable and Accessories — Melbourne, Australia	Mar. 16
May 16	Dike — Saulte Ste Marie, Mich. ..... Adv. Apr. 13.	Apr. 13
May 27	Race Track, etc.—Sedalia, Mo.	Apr. 13

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Me., South Portland (Portland, P. O.)—Portland Water Dist. having preliminary plans made extending water system, here. $100,000. L. Metcalf, 14 Beacon St., Boston, engr.

N. Y., Horseheads—Plans extension to water supply system incl. reservoir on East Hill. $15,000-$20,000. F. M. Smith, village clk.

N. Y., Lily Dale—Plans improving and extending mains. Cost to exceed $5,000. Engineer not announced.

N. Y., Locust Valley—Plans 18 mi. mains with pumping station, tanks, etc. $330,000. S. B. Bowne, Mineola, engr.

N. Y., Peekskill—See "Sewers."

N. Y., Schenectady—Bd. Pub. Wks. making plans replacing 36 in. main from here to pumping station at Rotterdam, $150,000. G. Howard, city engr.

W. Va., Wheeling—To vote on $2,000,000 bonds constructing rapid sand filtration system, new mains and improvements to waterworks. J. N. Chester, Union Bldg., Pittsburg, Pa., engrs. This corrects report in March 16 issue.

W. Va., Clarksburg—May 9, to vote on $100,000 bonds for extensions to waterworks. T. Long, city engr.

N. C., Dallas—Having plans prepared and soon takes bids improving waterworks and sewerage systems. $35,000. W. M. Pratt, 1st Natl. Bank Bldg., Durham, engr.

N. C., Fayetteville—Plans election to vote on $300,000 bonds extending waterworks. R. M. Horsburg, Secy. Chamber Commerce.

Wis., Hartland—Having plans prepared waterworks system. $30,000. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Wis., Viroqua—Having plans prepared 6-10 in. mains and valves. W. G. Kirchoffer, Vroman Bldg., Madison, engr.

Ia., Albert City—Making plans waterworks. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Engrs.

Tex., Fort Stockton—Having preliminary surveys and estimates made complete waterworks. $75,000. Berrell-Bartlett, Calcasieu Bldg., San Antonio, engrs.

Wash., Tacoma—Plans 9,400 ft. of 20 in. c.i. mains in South J and South 48th Sts., et al. $62,000. W. A. Kunigk, supt. Water Dept.

Cal., Grenada—Grenada Irrigation Dist. had plans prepared constructing diversion dam, headgates, canals, repairs to pumping plants, etc. $99,870. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr.

Ont., Galt—Utilities Bd. plans laying additional mains in bed of river and across eastern section of city. $10,000. Prices wanted on pipe. W. H. Fairchild, Galt, engr.

Ont., Port Dover—Having plans prepared waterworks system. Election soon to vote on $42,000 bonds. Prices wanted on pipe and pumping equipment, James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Vt., Bennington—April 18 by Bd. of Water Comrs., 19,500 lin.ft., 10 in., Class B. c.i. water pipe. W. P. Hogan, clk; adv. this issue.

Mass., Adams—April 24, by Adams Fire Dist., c.i. water pipe from Maple Grove to Bassetts Reservoir. E. Worthington, engr.; adv. this issue.

Mass., North Grafton—April 21 by Dept. Mental Diseases, Boston, valves and valve boxes for additional water supply. Contr. A-1, and valves and valve boxes for water distribution system, Contr. B-1, at Grafton State Hospital, here. G. M. Kline, comr.; adv. this issue.

N. Y., Buffalo—April 20, by A. W. Kreinheder, comr. Pub. Wks. Municipal Bldg., furnishing 940 ton 4, 6, 8, 10 and 16 in. c.i. pipe.

N. Y., Jamestown—April 19, by Bd. Water & Light hauling and laying 16,000 ft. 6 in. and 1,400 ft. 4 in. c.i. B and S pipe, 16,000 lb. fittings. City Eng. Dept., City Bldg., engrs.

N. Y., Johnson City—H. Brown, pres. Bd. Pub. Wks., taking bids steam driven water pumps for Water Supply Sta.

N. Y., New York—April 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bogart, Clarence, Hone, Leland, Logan, Lydig, Mahan, Olinville, Schley, Seymour and Van Nest Aves., West 180th and East 197th Sts., Bronx.

Pa., Bradford—See "Streets & Roads."

N. C., Lumberton—April 18, by J. P. Russell, town clk., constructing 500,000 gal. concrete reservoir, 5 mi. 6-10 in. c.i. mains, and 4 mi. 8-30 in. sewers. Carolina Eng. Co., 412 Southern Bldg., Wilmington engrs. Noted March 2, under Streets and Roads.

N. C., Morgantown—O. B. Lackey, town mgr., receiving bids 12 mi. 10 and 12 in. c.i. water pipe. Noted March 9.

N. C., Raleigh—April 20, by T. B. Eldridge, mayor, and City Commissioners, waterworks improvements, rein.-con. bridge and raising Avent Ferry Rd., etc. W. C. Olsen, Kinston, engr.; adv. this issue.

Wis., Delavan—April 21 (change of date), by Water Com., waterworks improvements. K. Hollister, clk. W. A. Pierce, Delavan, engr. Noted March 30.

Minn., Duluth—April 20 by Water and Light Dept., new endion reservoir. E. W. Kelly Co., 322 Lyceum Bldg., engrs.; adv. this issue. Noted April 6.

Minn., St. Paul—April 17 by H. W. Austin, city purch. agt., 22.67 ton steel reinforced rods, 343 lin.ft. 4 in. and 1181 lin.ft. 3 in. galvanized iron pipe for Water Dept. O. Claussen, city engr.

Minn., St. Paul—May 8, by H. W. Austin, city purch. agt., three pumping units at McCarron pumping station, O. Claussen, city engr.

Neb., Lincoln—April 26, by W. J. Mohr, clk., furnishing and installing pump machinery, 1,100 ft. 6 in. and 5,448 ft. 4 in. c.i. pipe, and reconstructing old well $15,000. Hershey & Merick, Brownell Bldg., engrs.

Mont., Lewistown—May 1, for 1,000,000 gal. standpipe. R. P. Longshore, city engr.; adv. this issue.

Ft. Bragg, Cal.—May 8, by City Trustees, furnishing and delivering 3,200 ft. 4 in. Class B c.i. water pipe.

Ont., Dunnville—April 17, by W. Marshall, chn. Pub. Utilities Comn., three 1,350 and two 750 Imp. gal. centrifugal pumps, electric starters, and 500 gal. underground gasoline storage tank. $45,000. F. H. Darling, 47 Home Bank Bldg., Hamilton, engr.

BIDS RECEIVED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, opened bids April 5, mains in (1) Flatbush Ave., Aves. T and U, Coleman and Hendrickson Sts., (2) Manhattan and Greenpoint Aves., (3) Ocean View, Skillman and 17th Aves., Barrett, Cleveland, Pine, West 9th, East 21st, East 28th, East 29th, East 95th, 55th, 53rd, 78th, 80th and 82nd Sts., Aves. K. and S, here, from N. B. Stefano, 257 Glenn Ave., Tompkinsville, (1) $28,571, (2) $48,253; Paladino Contg. Co., 437 East 120th St., New York, (1) $29,939, (3) $12,295; Murphy Bros., 262 Bay 43rd St., (1) $29,952; Carter Contg. Co., Inc., 582 78th St., (2) $48,167, (3) $14,084; M. Paino & Co., (2) $48,883; J. A. Gregory, 351 East 124th St., New York, (3) $13,134. Noted March 30.

N. Y., S. I., St. George—M. J. Cahill, pres. Richmond Boro, opened bids April 4, repaving within franchise area of Richmond Light & R.R. Co. on Richmond Terrace from Van to Bodine Sts., from J. Johnson Sons, 455 Bway., West New Brighton, $23,402; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $24,860; C. Vanderbilt, 24 Elizabeth St., West New Brighton, $25,500. Noted March 30.

Pa., Phila.—F. H. Caven, dir. pub. wks., opened bids April 4, furnishing 1,500 ton 6, 8 and 12 in. pipe and 200 ton specials, from Donaldson Iron Wks., Baltimore, Md., $68,490, U. S. Cast Iron Pipe & Fdry., Co., 1412 Chestnut St., $67,950; R. D. Wood & Co., Weidner Bldg., $67,500; laying c.i. water pipe, from G. DeLisle, 4842 North Lightgow St., $38,760, A. Pastori, Lincoln Bldg., $39,952, Seltzen-Tress Co., Builders Exch., $38,982; laying 12 in. c.i. pipe in State Rd., from G. DeLisle, 4842 North Lightgow St., $10,900, A. A. Pastori, Lincoln Bldg., $12,562, J. J. McHugh, 1620 Race St., $13,966. Noted March 30.

Minn., St. Paul—H. W. Austin, city purch. agt., opened bids April 3 for 15,500 bbl. portland cement, (a) on cars, (b) delivered, from Stiefel Material Co., 501 Concord St., (a) $2.18, (b) $2.28, Speakers Co., Griggs and Fuller Sts., (a) $2.18, (b) $2.30, Corning-Donohue Brick Co., 613 Ryan Bldg., (a) $2.18, (b) $2.30; 747.5 ton 6-48 in. c.i. pipe, from U. S. Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis, from $45.40 to $48.40 per ton, f.o.b. St. Paul; 88.93 ton c.i. pipe water specials from U. S. Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis, $111.52 per ton, St. Paul Fdry. Co., Como Ave. and Mackumbin St., $128, South Park Fdry. & Machine Co., 23 East 6th St., $135. Noted March 30.

Cal., Newport Beach—Furnishing and installing 101 ton 12 in. Class A and 283 ton 12 in. Class B c.i. pipe, 7,231 lb. c.i. fittings, from Shepard & Weber, 2731 6th St., Santa Monica, $27,964; S. Smith, 2025 Bay St., Santa Monica, $33,591; C. G. Frisbie Co., Los Angeles, $35,086. Noted Jan. 26.

CONTRACTS AWARDED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Brook, Jerome, Tremont and University Aves., East 143rd, East 177th and West 177th Sts., to Norton Eng. & Contg. Co., 510 West 149th St., $116,729. This corrects report in April 6 issue.

N. C., Troy—Installing waterworks and sewerage system, to Boyd, Higgins & Goforth, Troy, $30,836.

Mich., Detroit—Water Bd. will lay 1,366 ft. 6 in. and 1,508 ft. 8 in. c.i. pipe in Montevista, Ogden, Seminole and Drexel Aves. $25,000. Pipe will be purchased and laid by city forces. T. A. Leisen, Water Works Park, engr.

Wis., Milwaukee—Gate valves to Nelson Valve Co., 650 West Lake St., Chicago, $5,317; hydrants, to R. D. Wood Co., Phila., $10,538. Noted March 30.

Waterworks (Continued)

Ia., Moulton—Waterworks improvement, 26,764 ft. 4-6 in. c.i. pipe, 1,550 ft. 2 in. galvanized iron pipe, 75,000 gal. tank, 100 ft. high, 200 gal. centrifugal pump with motor, 42 hydrants, 11 gate valves, dam and spillway improvements; c.i. pine, to Natl. Cast Iron Pipe Co., 903 Commerce Bldg., Kansas City, Mo.; galvanized iron pipe, hydrants, and valves to Fisher Supply Co., Marshalltown; erecting tank and laying pipe to C. Roebeck & Co., 3818 Gold St., Omaha, Neb.; pump to Fairbanks-Morse Co., 900 South Wabash Ave., Chicago; labor and material on dam and spillway, to Harness Bros., Ottumwa. Total $46,000. Noted Dec. 29.

Kan., Neodesha—For 8 panel switchboard, to Westinghouse Electric Co., Orear Leslie Bldg., Kansas City, Mo., $2,905; tank and tower, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, $7,565; 4 electric driven pumps, to Amer. Well Wks., Kansas City, Mo., $3,245; 2 gasoline pumps, to Beeson Mchy. Co., 308 Mutual Bldg., Kansas City, Mo., $5,712. Noted March 23.

S. D., Watertown—G. K. Burt, secy. Pub. Utilities Comn., 2 motor driven pumping units, one 500 gal. per minute and other 750 gal. per minute, with piping, wiring, etc., to J. G. Robertson Co., 2542 University Ave., St. Paul, Minn., $8,053. Noted March 16.

Cal., Merced—Crocker-Huffman Land & Water Co., removing 16,000 ft. and laying 10,000 ft. 6 in. c.i. pipe, to Schultz Constr. Co., 46 Kearney St., San Francisco.

Sewers

PROPOSED WORK

N. Y., East Aurora—Voted $77,000 bonds for additions to sewerage system. Address F. H. Ball, pres.

N. Y., Eastward—See "Streets & Roads."

N. Y., Schenectady—Voted $100,000 bonds sanitary sewer in Erie Blvd. and extending storm sewer system in other streets. G. Howard, city engr.

Va., Portsmouth—Having plans prepared sewers in Park View, $32,885, Randolph St. trunk sewer, $148,000, Glasgow St. trunk sewer, $150,000. $360,000 bonds will be issued for above. J. F. Weaver, Jr., 404 Court St., engr.

Va, Suffolk—See "Streets and Roads."

W. Va., Clarksburg—See "Streets and Roads."

Ill., Chicago—Making plans sewers in various streets. $230,000. C. D. Hill, City Hall, engr.

N. C., Dallas—Having plans prepared and soon takes bids improving waterworks and sewerage systems. $35,000. W. M. Pratt, 1st Natl. Bank Bldg., Durham, engr.

Tex., Houston—April 29, to vote on $250,000 bonds sanitary sewer extensions and improvements. J. C. McVey, city engr.

Ont., Port Dover—Having plans prepared sewerage system. Election soon to vote on $38,000 bonds. Prices wanted on all materials and equipment. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., Peekskill—April 20, by State Bd. Armory Comrs., 158 State St., Albany, furnishing sewer and water pipe, incl. fittings, to State Camp of Instruction, near here. F. W. Ward, secy.; adv. this issue.

N. J., Jersey City—April 18 (change of date), by Bd. Comrs., sewers in Fisk St. drainage area. F. A. Dolan, city clk.; adv. this issue. Noted April 6.

Pa., Erie—April 18, extending Myrtle St. storm sewer in Chestnut, Cherry, 10th and Myrtle Sts. $48,000. F. G. Lynch, city engr. Noted April 6.

O., Akron—April 17, by E. A. Ziesloft, dir. Pub. Serv. sewers in Bluff, Furnace, Baird and Glendora Sts. $30,000. J. E. Root, 300 Delaware Bldg., engr.

O., Cleveland—April 20, sewers in Broadview Rd. S. W. from Oak Park Ave. S. W. to Schell Ave. S. W., Louisiana Ave. S. W. from West 33rd to West 34th Sts., Oliver Rd. S. W. from Bosworth Rd. S. W. to Jasper Ave. S. W., Pacific Ave. S. W. from West 56th to West 58th Sts., Saratoga Ave. S. W. from Broadview Rd. S. W. to point 500 ft. westerly, Wichita Ave. S. W. from West 45th St. to point 250 ft. west of West 49th St., West 69th St. from Denison Ave. S. W. south with outlet to Barberton Ave., Denison Ave. S. W. from viaduct to Jennings Rd. S. W., Hough Ave. N. E. from Amesbury Ave. N. E. to Ansel Rd. N. E. $50,000. R. Hoffman, City Hall, engr.

Ind., Hammond—May 1, by Bd. Pub. Wks., sewers and pumping station. D. Miller, clk.; adv. this issue.

Mich., Detroit—April 21, by C. W. Hubbell, engr., 2448 Penobscot Bldg., 15,245 ft. 7 in. vitr. crock sewer in Dix Ave., for Dix-Ferndale Land Co. $25,000.

Mich., Springwells—May 9, by B. P. Esper, village clk., sewage treatment works and pumping station. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, consult. engr.; adv. this issue.

Minn., Deer River—April 27 by W. S. Runyon, city clk., sewerage system, 16,400 lin.ft. 8-15 in. vitr. tile sewer, 39 manholes, sewage pump pit and house, mechanical and electric equipment for pumping station. $40,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted Oct. 6, 1921.

Ont., Hamilton—Receiving bids 2,675 ft. Western Overflow Storm Sewer, 900 lin.ft. 9 ft. 3 in. x 11 ft. rein.-con. horseshoe sect., 1,775 lin.ft. 8 x 8 ft. rein.-con. or brick horseshoe sect. $60,000. E. R. Gray, city engr.

Ont., Midland—April 17, by C. S. Smith, clk., 3 mi. vitr. tile trunk storm sewer, 15,000 ft. pipe, 8 in. up. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS RECEIVED

Va., Norfolk—Opened bids 5,500 lin.ft. 24-57 in. concrete sewer etc., from Core Joint Pipe Co., 1802 Whitmore Ave., Baltimore, Md., $21,066; Lock Joint Pipe Co., 201 North West St., Indianapolis, Ind., $22,842. Noted March 30.

O., Cincinnati—Opened bids March 21 for Millcreek Interceptor sewer, from Runck Bros. Constr. Co., 1114 First Natl. Bank Bldg., $265,625; J. B. McLane, 3714 Ault Park Rd., $271,000; C. E. Cannell, Madison Rd. and Oakley Ave., $272,480. This corrects reports in March 30 issue.

O., Lima—C. A. Bingham, city mgr. opened bids April 1 intercepting and outfall sewer along and adjacent to Ottawa River, Contr. B, from F. R. Jones Co., 111 West Washington St., Chicago, $339,390; River and Bellefontain Pumping Stations, Contr. C, and sewage pumping station and outlet line, Contr. D, from Lima Constr. Co., Lima, $71,892 and $38,487 respectively. Noted March 2.

Cal., Richmond—San Pablo Sanitary Dist. constructing sewerage system, from W. F. Edwards, 675 31st St., Oakland, $30,901; W. J. Tobin, 527 Santa Ray Ave., Oakland, $31,008; Heafey, Moore & McNab, 22 Mesa St., Oakland, $31,316. Noted Feb. 2.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Armand Pl., to J. Chiopette, $1,797; Winifred St., to J. Gallo, 203 Division St., Brooklyn, Proposal B, $46,944; 75th St., to G. F. Clancy, Inc., 460 Lockwood St., Proposal A, $24,441; receiving basins in northeast corner of 125th St., to Peace Bros., Inc., 20 Main St., Flushing, $390. Noted April 6.

N. J., Palmyra—City Bd. Freeholders sewage pumping station, disposal plant and force main, to Remington & Vosbury, 601 Market St., Camden, $11,576, $16,019 and $1,339 respectively. Noted March 30.

N. J., Plainfield—Common Council, City Hall, 5,600 lin.ft. 18-48 in. storm sewers, to J. A. De Stefano, South River, $31,427. Noted March 30.

Pa., Johnstown—M. L. Masterton, supt. Streets & Pub. Impvts., Sect. 4, Main Sewer, from 10th Ave. to Johns St. 3,500 cu.yd. excav., 5,734 lin.ft. 54 in. rein.-con. pipe, 2,780 lin.ft. 6 in. terra cotta pipe, 972 lin.ft. 6 in. c.i. pipe, 100 lin.ft. 8, 10, 12 and 15 in. terra cotta pipe, etc., to A. L. Anderson & Bros. Inc., Altoona Trust Bldg., Altoona, $200,000; Sect. 5, Main Sewer, 3,250 cu.yd. excav., 498 lin.ft. 45 in. rein.-con. pipe, 2,593 lin.ft. 42 in. and 3,318 ft. 27 in. concrete or terra cotta pipe, etc., to M. O'Herron Co., Bigelow Blvd., Pittsburgh, $113,493. Noted March 9.

N. C., Troy—See "Waterworks."

Ill., Eldorado—For sanitary sewerage system, incl. septic tank, 59,500 ft. 8 in., 8,700 ft. 10 in., 4,700 ft. 12 in., 2,800 ft. 15 in. and 6,300 ft. 18-20 in. vitr. pipe, 157 cu.yd. concrete reinforcing, 240 cu.yd. concrete, 63,600 cu.yd. excav., to H. Rees & Son, Quincy, $121,510. Noted March 9.

Wis., Marshfield—Sanitary and storm sewers in various streets, to Schafer-Thompson Co., Marshfield, $26,105.

Ark., Pine Bluff—See "Streets and Roads."

Cal., Watts—Sewerage system, 123,449 ft. 6-12 in. concrete pipe, to B. D. Baucus, 173 West 43rd St., Los Angeles, $484,000.

Bridges

PROPOSED WORK

N. Y., LaSalle—Plans steel girder highway bridge across Cayuga Creek. $25,000.

N. Y., Willow Point—Delaware, Lackawanna & Western R.R., Baldwin St., Binghamton, and New York State Hy. Dept., Albany, plan overhead crossing, here, $65,000. Address W. Wheaton, Binghamton, div. engr.

Pa., Media—Delaware Co. Comrs. soon receives bids 54 ft. rein.-con. bridge over Big Ells Creek, $35,000; 54 ft. rein.-con. bridge over Valley Creek, $30,000; concrete and steel bridge, two 35 ft. spans over Brandywine Creek, $50,000; 2 span rein.-con. bridge, 340 ft. long, over Crums Creek, $150,000. R. J. Aydolotte, Media, engr.

Mich., Monroe—State Hy. Dept., Lansing, soon takes bids Bridge 580,101, 90 ft. concrete girder, and Bridge 580,701, 2 span concrete girder, 100 ft. long, both north of here.

Ill., Chicago—Atchison, Topeka & Santa Fe. R.R., Railway Exch., plans to expend $1,512,893 during 1922 for bridges and trestles along its lines. C. W. Felt, ch. engr.

Tex., Orange—See "Streets and Roads."

Tex., San Antonio—City and Berrell Bartlett Engrs., Calcasieu Bldg., soon receives bids 97½ ft. structural steel bridge over San Antonio River, on Navarre St., concrete abutments, 2 steel lattice girders, $35,000; 135 ft. rein.-con. arch bridge over San Antonio River on Garden St., three 45 ft. spans, $35,000.

Ont., Niagara Falls—Niagara Falls Bridge Co. plans new bridge. $150,000.

BIDS DESIRED

Mass., Boston—April 24, by Pub. Wks. Dept., building Chelsea Bridge, 370 ft. long, 61 ft. wide, incl. 119 ft. drawbridge, steel girder construction, concrete floor, wood paving. J. A. Carty, City Hall, engr.

N. Y., Oswego—April 21, by Dept. of Wks., rein.-con. bridge, on East 1st and Cayuga Sts. J. T. Collins, comr.; adv. this issue.

Pa., Halifax—April 25 by H. W. Hough, controller Dauphin Co., 80 ft. rein.-con. single span, deck and girder bridge, 30 ft. wide, over Armstrong Creek. $30,000. C. M. Hershey, Court House, Harrisburg, co. engr.

Pa., Pillow—April 26, by Comrs. Dauphin Co., 100 ft. concrete bridge over Mahantongo Creek at Boyers Mill, near here. $50,000. C. M. Hershey, Court House, Harrisburg, engr.

North Carolina—April 25, by State Hy. Comn., Raleigh, bridges and culverts on State Project 990, Transylvania Co., 1,500 cu.yd. concrete, 141,790 lb. reinforcing, 4,110 ft. untreated timber piles, etc., $46,000; State Project 629, Catawba Co., 855 cu.yd. concrete, 102,710 lb. reinforcing, 1,680 ft. untreated timber piles, etc., $27,500; State Project 326, Columbus Co., 2,406 cu.yd. concrete, 338,830 lb reinforcing, 1,860 ft. untreated timber piles, 2,074 sq.yd. asphalt wearing surface, 3,280 ft. pre-cast concrete piles, $95,000. C. M. Upham, state highway engr.

N. C., Raleigh—See "Waterworks."

South Carolina—May 11, by State Hy. Comn., at office Abbeville Co. Highway Comn., Abbeville, bridges and culverts on Abbeville-Greenwood and Abbeville-Antreville Rds. $35,000; adv. this issue.

South Carolina—May 17, by State Hy. Comn., at office Jasper Co. Highway Comn., Ridgeland, constructing bridges on Yemassee-Ridgeland Rd., Jasper Co., $30,000; adv. this issue.

S. C., Converse—May 10, by State Hy. Comn., at office Spartanburg Co. Highway Comn., Spartanburg, constructing Pacolet River Bridge, near here. $65,000; adv. this issue.

Louisiana—April 24, by State Hy. Dept., Baton Rouge, concrete piers, timber approaches and 75 ft. steel span bridge over canal station 54, on Melville-Alexandria Highway, St. Landry Parish J. M. Fourmy, Maison Blanche Annex, New Orleans, state engr.

Minn., St. Paul—See "Streets and Roads."

Kan., Girard—See "Streets and Roads."

S. D., Madison—See "Streets & Roads."

S. D., Redfield—See "Streets & Roads."

Bridges (Continued)

S. D., Sturgis—See "Streets & Roads."

Tex., Bastrop—April 24, by J. B. Price, judge, Bastrop Co., 0.35 mi. bridge over Colorado River on Highway 3 B, to have three 192 ft. steel truss spans, concrete piers, 117 ft. and 585 ft. rein.-con. girder approaches and 418 ft. and 147.5 ft. earth approaches with gravel surfacing. $165,000. R. E. Schiller, res. engr.

Tex., Houston—April 29, to vote on $250,000 bonds, building Cleveland Park Bridge and various other bridges. J. C. McVey, city engr.

Tex., Pecos—April 26, by Comrs. Reeves Co., concrete structures on 31.25 mi. Highway 1, Rd. Dist. 2, 1,702 cu.yd. concrete, 63,400 lb. reinforcing, 1,600 cu.yd. structural excav. A. L. White, Toyah, co. engr.

Tex., Port Arthur—April 28, bridge foundation and fender piling for bridge across Sabine-Neches Canal, M. E. Erwin, city engr.; adv. this issue.

Wash., Seattle—April 28 by Bd. Pub. Wks., 570 ft. steel projected double leaf trunnion bascule bridge, on Spokane St., eight concrete piers, 4 shore piers and 4 in stream. A. H. Dimock, city engr.

BIDS RECEIVED

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 219, Lenoir Co., from Chitwood & Carpenter, Columbia, S. C., $63,457; Costello Bros., Henson Bldg., Knoxville, Tenn., $63,787. J. S. McGeehee Constr. Co., Tarboro, $78,074; State Project 677, Scotland and Robeson Counties, from Chitwood & Palmer, Florence, S. C., $27,215, Batson & Cook Co., West Point, Ga., $28,137, O. A. Mann & Co., La Grange, Ga., $28,814. Noted March 23.

O., Kenmore—Summit Co. (Akron) opened bids April 5, 535 ft. steel and concrete bridge, here, from Central Dredging Co., 600 Bangor Blvd., Cleveland, $198,907; T. E. McShaffrey, Forge St., Akron, $199,129; Carmichael Constr. Co., 524 Hamilton Bldg., Akron, $199,979. Noted March 30.

O., Youngstown—Director Pub. Serv. opened bids April 5, 17 span plate girder bridge, center span rein.-con., all others steel, on Oak St., from Amer. Bridge Co., Frick Bldg., Pittsburgh, Pa., (superstructure steel work only), $110,074; C. Shutrump, West Federal St., Youngstown, main span over railroad tracks and for all floor slabs and sidewalks on steel construction, $51,797.

Mich., Detroit—Operators houses and enclosure walls for single leaf bascule bridge over River Rouge, on Fort St., (1) Swenson granite, (2) Smalley granite, from Wolverine Eng. & Constr. Co., 400 Penobscot Bldg., (1) $78,881, (2) $75,881; Cooper-Widenmann Constr. Co., 1430 Penobscot Bldg., (1) $80,265, (2) $78,265; F. R. Patterson Constr. Co., 1922 Ford Bldg., (2) $78,503. Noted March 16.

Wisconsin—State Hy. Comn., Madison, opened bids April 4, Red Cedar Bridge, Project 264, Barron Co., (a) 484 cu.yd. concrete, (b) 312 balusters, (c) 1,752 lin.ft. piling, etc., from Forsythe Constr. Co., Cameron, (a) $18, (b) $3.50, (c) $0.65, etc., total $11,371; G. Warden, Cameron St., Eau Claire, (a) $18.70, (b) $3.45, (c) $0.73, etc., $12,349; H. A. Roush, Webster, (a) $21, (b) $3, (c) $0.90, etc., total $13,284. Noted March 30.

Tex., Belton—Bell Co. opened bids April 1, 496 ft. rein.-con. bridge over Salado Creek on State Highway 2-C, incl. demolishing 2 concrete abutments and clearing site of all debris, etc., from E. Blankenstein, Temple, $18,823; Wear & Thomas, Rogers, $20,572; W. A. Custard, Florence, $20,849. Noted March 23.

Tex., Georgetown—Williamson Co. opened bids March 30, (1) 367 ft. bridge over San Gabriel River at Circleville, (2) 123 ft. bridge over Bull Branch at Taylor, (3) 326 ft. bridge over North San Gabriel River, here, (4) 327 ft. bridge over Berrys Creek 4 mi. north of here, from Brown & Root, Georgetown, (1) $37,992, (2) $10,730, (3) $30,193, (4) $27,349; W. E. Dozier, Austin Natl. Bank Bldg., Austin, (1) $39,244, (3) $32,287, (4) $29,600; Harris & Powell, Tyler, (1) $45,223, (2) $11,026, (4) $29,457; Wilson Bros., Taylor, (2) $9,538; Austin Bros. Bridge Co., Coombs St., Dallas, (3) $32,180. Noted March 23.

CONTRACTS AWARDED

Pa., Johnstown—M. L. Masterton, supt. Streets & Pub. Impvts., 2 span rein.-con. arch bridge, 225 ft. long, over Stonycreek River, on Haynes St., to Farris Eng. Co., Empire Bldg., Pittsburgh. $69,581. Noted March 9.

North Carolina—State Hy. Dept., Raleigh, rein.-con bridges and curverts on State Project 962, Macon Co., to Griffith Constr. Co., Atlanta, Ga., $33,113 Noted March 23.

Fla., West Palm Beach—See "Streets and Roads."

Alabama—State Hy. Dept., Montgomery, constructing concrete bridge over Big Wills Creek near Gadsden, to have six 42½ ft. girders, concrete piers, Etowah Co., to Etowah Court of Co. Comrs., Gadsden, $25,668. Noted April 6.

Wis., Kenosha—For (a) new concrete abutments and approaches, (b) lowering water main in Middle St., to McGucken Constr. Co., 425 East Water St., Milwaukee, (a) $47,500, (b) $10,500. Noted March 30.

Tex., Belton—Bell Co. rein.-con. bridges on Meridian Highway, to Brown-Abbott Co., Wilson Bldg., Dallas, $66,000. Noted March 16.

Arizona—State Hy. Dept., Phoenix, Granite Creek Bridge, 143 ft., rein.-con., on Project 36, to L. C. Lachmet, Albuquerque, N. M., 445 cu.yd. wet excav., at $7 per cu.yd., 1,800 lin.ft. piling in place, $0.50, 438 cu.yd. Class A concrete $14, 191 cu.yd. Class B concrete, $12, etc., $14,728. State furnished materials $7,566, 10% engineering and contingencies $2,229, total $24,523.

British Columbia—Canadian Pacific Ry., Seymour St., Vancouver, bridge over Coquitlam River in eastern section of province, massive piers on either side of river, 200 ft. span between them; piers and abutments, to W. D. Grant, Vancouver, $70,000; fabrication and erection of steel work, to Canadian Bridge Co., Walkerville, Ont., to exceed $100,000.

Dams

PROPOSED WORK

Mont., Dillon—See "Excavation and Dredging."

Cal., Grenada—See "Waterworks."

Cal., Stockton—Election about May 5 to vote on $1,300,000 bonds, building Calaveras Dam for flood control. W. B. Hogan, City Hall, city engr.

BIDS DESIRED

N. Y., Watertown—April 15, by Northern New York Utilities Inc., 58 Public Sq., concrete dam, power house, installing water wheel and electric generator units at Browns Falls. $400,000-$500,000. Address J. P. Brownell, Strickland Bldg., Carthage, consult engr.

Railways

PROPOSED WORK

Quebec—Montreal Tramways Co., Craig St. W., in conjunction with city of Montreal plans to extend car line in Lachine, 2 mi. $80,000. R. Graves, ch. engr.

Florida—See "Industrial Works," under Tampa.

Montana—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, plans branch line from Hardin to Soap Creek oil field. A. W. Newton, ch. engr.

CONTRACTS AWARDED

New York—Transit Comn., 49 Lafayette St., New York, reconstructing part of Sect. 3, Route 33, part of Bway.-4th Ave. Rapid Transit R.R., Brooklyn Boro, to F. L. Cranford, 149 Remsen St., Brooklyn, $342,000. Noted April 6.

North Carolina—Cape Fear Railways Co., Fayetteville, will build 9 mi. extension of trolley system from Fayetteville to Camp Bragg, by day labor. $100,000. U. A. Sinclair, pres.

Ontario—Michigan Central Ry., Talbot St., St. Thomas, having plans prepared relaying 70 mi. line from St. Thomas west, with new 105 lb. rails, reballasting 64 mi. of line with stone ballast and removing present gravel. Work will be done by day labor. A. Leslie, Talbot St., engr.

Excavation and Dredging

PROPOSED WORK

Pa., Erie—Plans removal of 41,242 yd. earth in vicinity of Academy High School to grade off streets. $25,000. F. G. Lynch, city engr.

Mont., Dillon—Beaverhead Co. had plans prepared East Bench Irrigation Dist. Project 3, draining 23,000 acres, includes construction concrete arch dam. $730,000. F. Buck, Helena, state irrigation engr.

Ont., Goderich—Dominion Government, Ottawa, plans 900 ft. berth, 150 ft. wide, for grain boats, incl. dredging and blasting, $75,000. A. Craig, Royal Bank Bldg., London, engr.

BIDS DESIRED

N. Y., Dunkirk—April 18, inclosed channel and accessories for diversion of Hyde Creek. H. J. Hayes, city clk.; adv. this issue.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids April 5, dredging outfall drainage canal, Sect. 2-A Biological Plant, 26th Ward Disposal Works, from P. S. Ross, Inc., 277 Washington St., Jersey City, N. J., $44,880; J. F. Cogan Co., 233 Bway., New York, $46,000; Atlantic Gulf & Pacific Co., 13 Park Row, New York, $49,300. Noted March 30.

CONTRACTS AWARDED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., dredging Buffalo River, to Empire Eng. Co., North Tonawanda St., $125,000. Noted Feb. 23.

O., Cleveland—Dredging Cuyahoga River, (150,000 cu.yd.) to Great Lakes Dredge & Dock Co., Williamson Bldg., $39,660. Noted April 6.

Ia., Charles City—Auditor Floyd Co., D. D. 20, main line and laterals, 3,200 cu.yd. excav., 95,710 ft. 6-30 in. tile, 3 bulkheads, 3 inlets and 50 y connections, to Cement Products Co., Spencer, $40,538, and Rockford Brick and Tile Co., Rockford, Ill., $5,100. Noted March 23.

Ia., Dubuque—See "Miscellaneous."

Minn., Crookston—Polk Co. repairing Ditch 38, excav. and road work to Strom, Degernessy & Hanson, Gary, $10,220 and $2,050 respectively; bridges to W. Johnson, Crookston, $4,100; culverts to P. H. Gramer, Crookston, $1,520. Noted Mar. 2

Streets and Roads

PROPOSED WORK

Mass., West Springfield—Plans concrete surfacing Union St., $40,000. Public Wks. Dept., engrs.

N. Y., Batavia—Plans paving Bank St., bituminous macadam, State and Main Sts., brick. To exceed $25,000. R. F. Clark, city engr.

N. Y., Binghamton—Making plans paving Vestal Ave., concrete or topeka. $80,000. W. E. Weller, city engr.

N. Y., Eastwood—Voted $43,000 bonds paving and extending sewers. Address P. J. Toughrey, pres.

N. Y., La Salle—Voted $45,000 bonds paving River Rd., bitulithic macadam. Address G. W. Stone, pres. Noted March 30.

N. Y., Port Henry—Voted $80,000 bonds paving Port Henry-Witherbe Highway, bituminous macadam.

Pa., Lansdale—Boro. opens bids this spring paving streets. $60,000. M. Y. Yerkes, Upper Darby, (Phila P. O.), engr.

Va., Berkley (Norfolk P. O.)—Plans paving, curbing and guttering portions Maple, Walnut and Berkley Aves., et al. $40,600. J. C. Rew, Armory Bldg., Norfolk, engr.

Va., Norfolk—Soon takes bids paving about 1 mi. 37th and 44th Sts., Harrington, Core and Estes Ave., concrete. $30,860. W. E. Rew, city engr. of highways and bridges.

Va., Portsmouth—Having plans prepared paving, curbing and guttering portions Key Rd., High, Cook, South, Leckie, Hatton, Jefferson, Dinwiddie, Hamilton, Queen, King, Chestnut, Sale and Spratley Sts., Wilson, Guthrie and Elm Aves., asphalt, concrete, bituminous macadam and Belgian block; also repairing West Norfolk Bridge. $223,200. Part of above work will be done by day labor. J. F. Weaver, Jr., 404 Court St., city engr.

Va., South Norfolk (Norfolk P. O.)—F. L. Rowland, mayor, takes bids about April 30, paving 3 mi. Poindexter St., et. al., 18-30 ft., bituminous concrete and macadam, granite curbs and gutters. $90,000. G. H. Massey, 408 McKevitt Bldg., Norfolk, engr.

Va., Suffolk—Plans paving, curbing, guttering and building sewers in various streets. $32,200 appropriated. R. H. Brinkley, city mgr.

West Virginia—State Rd. Comn., Charleston, rejected bids opened April 4, grading and concrete paving 1.8 mi. Harpers Ferry-Bolivar Rd., Project 3034, Jefferson Co.; grading and paving 4.9 mi. Winchester Pike, Project 115, Berkeley Co., $100,000. Noted March 9.

W. Va., Clarksburg—May 9, to vote on $150,000 bonds for street and sewer improvements and $10,000 bonds for Elk Creek sewer. T. Long, city engr.

Streets and Roads (Continued)

W. Va., Pineville—Comrs. Wyoming Co. plan to issue $100,000 bonds grading and paving 5 mi. Oceania-Logan Rd. H. J. Speiman, R. & P. Bldg., Huntington, engr.

N. C., Winston-Salem—Bd. Alderman plan to issue $650,000 bonds improving various streets.

Fla., Jacksonville—Plans paving ¾ mi. Adams and 1st Sts., brick on concrete; ¾ mi. Margaret, Hogan and King Sts., sheet asphalt on concrete. W. E. Sheddan, city engr.

Fla., Orlando—Plans paving 1 mi. Amelia Ave., 10,000 sq.yd. vitr. brick, 4,800 lin.ft. concrete or granite curbing, $25,000; paving with brick 1 mi. Edgewood Ave. to Country Club, 30 ft. G. R. Ramsay, Orlando, engr.

Fla., West Palm Beach—Palm Beach Co. to vote April 18, on $40,000 bonds rock or marl paving Boynton Rd.; $25,000 bonds Hypoluxo and Lantana Rds. and Draw bridge over Lake Worth; $23,000 bonds 8 mi. Woodbright-Boynton, Boca Ratone and Jomato Rds.; $12,000 bonds bridge over canal at Sect. 27 T 45 S R 43 E; $50,000 bonds paving Inlet Blvd., Dist. Rd. 4, and wooden trestle over Boca Ratone Inlet. R. F. Goodman, West Palm Beach, engr.

Alabama—State Hy. Dept., Montgomery, rejected bids opened March 28, grading and paving 14.617 mi. highway from Athens to Elk River Bridge, Limestone Co. W. S. Keller, state highway engr. Noted April 6.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids opened March 27, grading, bridging and paving 4.139 mi. Sect. "H" Marysville-Kenton Rd., Union Co. Noted April 6.

O., Dayton—Plans paving Johnson St. from Morton to Wayne Sts., brick on concrete, cement curb, $28,781; Garland St. from 3rd to Woodley Sts., rein.-con., $13,-991. I. E. Houk, city engr.

O., Grandview Heights (Columbus, P. O.)—Making plans and soon takes bids grading and paving 978 ft. Elmer St., 30 ft.; 1,010 ft. Elmwood Ave., 25 ft., 1003 ft. Ashland Ave., 30 ft., 1,600 ft. Oakland Ave., 25 ft.; 800 ft. Merrick Rd., 30 ft.; 800 ft. 2nd Ave., 30 ft.; 1,000 ft. Broadview Ave., 25 ft.; 600 ft. Eastview Ave., 25 ft.; 400 ft. Virginia Ave., 25 ft.; 3,500 ft. Oxley Rd., 25 ft.; all bituminous macadam. $140,000. Burgess & Nipe, 141 East Broad St., Columbus, engrs.

Ind., Evansville—Vanderburg Co. plans grading and paving Lincoln Ave. Rd., 28,-160 sq.yd. asphalt or concrete, 5,000 cu.yd. excav., $83,000; grading and paving with rock and gravel, 2½ mi. Browning Rd., 12 ft., 14,733 cu.yd. excav. and 16,980 ft. Owensville Rd., 16 ft., 30,000 cu.yd. excav. $33,000 and $82,893 respectively; 29,968 ft. Big Cynthiana Rd., 24 ft., 79,912 sq.yd. bituminous macadam on concrete, and 26,-462 cu.yd. excav. $233,428.

Mich., Detroit—Plans paving and widening Brush St. from Canfield to Piquette Sts., $20,000, Buchanan St. from 33rd to 35th Sts., $5,850, Burns St. from Agnes to Mack Sts., $35,000, Elizabeth St. from Brush to Beaubien Sts., $4,800, Forest St. from Cass to 12th Sts., $80,000, Fort St. from Woodward Ave. to 1st St., $40,000, Fort St. from 5th to Clark Sts., $20,000, Grand River Ave. from Woodward to Cass Aves., $12,550, Grand River Ave. from Cass to Trumbull Aves., $73,750, Gratiot Ave. from Chene to Mt. Elliott Aves., $90,000, Gratiot Ave. from Mt. Elliott Ave. to Rohns St., $180,000, Holbrook St. from Russell to Dequindre Sts., $12,000, Holbrook St. from Dequindre to St. Aubin Sts., $25,600, John R St. from Baltimore Ave. to Grand Blvd., $11,700, John R St. from Mt. Vernon to Holbrook Sts., $32,000, Junction Ave. from Lafayette to Dix Aves., $25,000, Kercheval St. from Hart to Gray Sts., $36,350, Mack St. from Grand Blvd. to Gladwin Ave., $106,000, Macomb St. from St. Antoine to St. Aubin Sts., $13,750, Mt. Elliott Ave. from St. Paul to Kercheval Sts., $6,250, Michigan Ave. from Woodward to 6th Aves., $72,000, Michigan Ave., from 16th St. to Grand Blvd., $45,000, Madison Ave. from Witherell to Randolph Sts., $28,000, Putnam Ave. from Cass to 12th Sts., $28,-000, Rivard Ave. from Eliot to Forest Aves., $30,000, Shoemaker St. S., from St. Jean to Montclair Sts., $22,000, St. Joseph Ave. from Russell to Dequindre Sts., $8,500, St. Paul St. from Baldwin to Holcomb Aves., $30,000, St. Jean St. from Jefferson to South End Aves., $10,000, St. Jean St., from Goethe to Shoemaker Sts., $45,000, Theodore Ave. from Russell to McDougall Ave., $30,000, Waterloo Ave. from Grand Blvd. to Van Dyke Ave., $24,800, Wesson Ave. from McGraw to Warren Aves., $12,800, West End Ave. from Jefferson to Fort Aves., $46,000, all 3 in. asphalt on 6 in. concrete. J. W. Reid, city engr.

Ill., Atkinson—Plans prepared paving various streets. $25,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Burnham—Plans prepared concrete paving Torrence Ave. $66,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Mascoutah—Plans prepared for concrete paving. $134,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Morris—Plans prepared asphalt paving Fremont and Vine Sts. $40,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Palatine—Plans prepared paving various streets. $120,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Rushville—Schuyler Co. making plans and soon receives bids paving North Liberty St., 10 ft., rein.-con., 9 ft. shoulders. $28,000. W. Henderson, Rushville, engr.

Nebraska—State Dept. Pub. Wks., Lincoln, plans clay surfacing 7.573 mi. Ogallala-Belmar Rd., Project 146 B Keith Co.; grading and gravel surfacing 13.37 mi. West Point-Wisner Rd., Project 172, Cumings Co. G. E. Johnson, secy.

Missouri—State Hy. Dept., Jefferson City, plans 8.768 mi. road east, west, north and south through Douglas Co., State Aid Project 20.153, Douglas Co., 46,819 cu.yd. earth excav., 13,307 cu.yd. borrow, 744.5 cu.yd. concrete masonry, etc.; 4.261 mi. road through Winona, State Aid Project 20.160, Shannon Co., 25,801 cu.yd. earth and 3,126 cu.yd. rock excav., 1,132 cu.yd. borrow, 361.3 cu.yd. concrete masonry, etc.; 15,756 mi. Natl. Old Trails Rd., Federal Aid Project 144, Callaway Co., 35,629 sq.yd. gravel, 76,196 sq.yd. plain macadam, 83,191 lin. ft. grading, etc. A. Graham, state highway engr.

Mo., St. Joseph—Bd. Pub. Wks. plans paving Bosine St., Portland cement concrete, $30,000. W. K. Seitz, City Hall, engr.

Ark., El Dorado—Having plans prepared improving Curb and Gutter Dist. 1 and Paving Dist. 4, concrete, $40,000. Ford & Mac Crea, Gazette Bldg., Little Rock, engrs.

Tex., Denton—Krum Dist., Denton Co. had preliminary surveys made building roads. $125,000 bonds sold. T. E. Huffman, co. engr.

Tex., Georgetown—Voted $85,000 bonds paving and improving 7 mi. various streets. Balance of funds to be derived from property owners. J. Sharpe, mayor. Noted March 9.

Tex., Houston—April 29, to vote on $250,000 bonds permanent street paving. J. C. McVey, city engr.

Tex., Kaufman—Kaufman Co. making plans grading, gravel surfacing and 1 in. bituminous topping 20.8 mi. State Highway 15 between Van Zandt Co. line and Forney, Federal Aid Project 130. $299,500. P. B. Tartt, Terrell, engr. Rd. Dist. 3.

Tex., Orange—Voted $700,000 bonds improving roads incl. extension of concrete paving on State Highway 3 and bridge over Sabine River. J. E. Johnson, res. co. engr. Noted Feb. 2.

Que., Lachine—Plans paving 3,375 ft. 6th Ave., 2,625 ft. 10th Ave., 2,625 ft. 12th Ave., 3,375 ft. 18th Ave., and 1,125 ft. Notre Dame St. from 15th to 19th Aves., all asphaltic macadam; cement sidewalks on Notre Dame St., from 15th to 19th Aves. A. Laframboise, city engr.

Ont., Simcoe—Norfold Co. plans to expend $100,000 improving highway. Prices wanted on concrete, road machinery and equipment. G. R. Marston, Simcoe, engr.

BIDS DESIRED

Maine—April 20 by State Hy. Dept., Augusta, 2.547 mi. gravel highway in Jay and Wilton; 1.48 mi. bituminous macadam highway, Fairfield. P. D. Sargent, ch. engr.

Vermont—April 20, at office T. W. Dix, comr. of highways, Montpelier, 1.14 mi. gravel road, one 40 ft. span I beam bridge in South Hero and Milton; 0.2 mi. gravel road and 90 ft. steel bridge in East Montpelier; 6 mi. gravel road and 5 steel bridges in Bridgewater; adv. this issue.

Massachusetts—May 1 by State Hy. Dept., Boston, 17,550 ft. bituminous macadam highway, Williamstown and New Ashford, 18 ft. $130,000. A. W. Dean, 413 State House, Boston, engr.

New York—April 25, by H. S. Sisson, comr. State Hy. Comn., Albany, improving highways in Chautauqua, Delaware, Herkimer, Livingston, Madison, Montgomery, Oswego, Schenectady, Steuben and Tioga Counties. J. C. Finch, secy.; adv. this issue.

N. Y., Albany—April 17, by Bd. Contract & Supply, repaving Clinton Ave., 3,600 cu. yd. excav., 1,940 ft. 8-15 in. sewer pipe, 16,-000 ft. granite curb, 212,000 sq.ft. concrete walks, 2,500 sq.yd. redressed granite blocks, 7,20 cu.yd. concrete foundation; Central Ave., 2,700 cu.yd. excav., 2,000 ft. 15-18 in. sewer pipe, 3,300 ft. granite curb, 170,000 sq.ft. concrete walks, 24,500 sq.yd. dressed granite, 39,000 cu.yd. concrete foundation; 2nd Ave., 500 cu.yd. sewer excav., 10,000 ft. granite curb, 120,000 sq.ft. concrete sidewalks, 1,650 cu.yd. cement concrete pavement and 4,650 cu.yd. concrete, etc. F. Lanagan, city engr.

N. Y., Brooklyn—April 19, by E. Riegelmann, boro pres., Boro Hall, grading, curbing, laying sidewalks and paving roadway of Bay 22nd St. from Bath to Cropsey Aves., permanent asphalt on 6 in. concrete; grading, curbing and flagging Creamer St. from Otsego to Columbia Sts., East 9th St. from Ave. K to Ave. L, Louisa St. from Chester Ave. to Dahlia Rd.; grading, curbing and laying sidewalks on West 10th St. from Ave. R to Ave. S.

N. Y., Fairport—April 20, (change of date), by Bd. Trustees, paving, curbing and guttering 2,500 ft. West Ave., 8,200 sq.yd. bituminous pavement on concrete. $44,000. Hophius & Field, Rochester, engrs. Noted March 23.

N. Y., Lockport—April 25, by F. H. Krull, clk. Bd. Supervs. Niagara Co., paving 12.25 mi. Olcott Beach-Orleans Co. line Rd., concrete, $390,796; 3.33 mi. Beach Ridge Rd., in Pendleton, bituminous concrete macadam on concrete, $67,170. T. Brennon, co. engr.

N. Y., New York—April 19, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving roadway of 7th Ave. (curb to rail) from Greenwich Ave. to 23rd St., roadway of West Bway. (curb to rail) from Canal to Spring Sts., roadway of West Houston St. (curb to curb) from Bway. to MacDougal St., all foregoing granite block on concrete; roadway of 16th St. from 6th to 7th Aves., roadway of East 69th St. from Lexington to 5th Aves., roadway of Madison Ave. (curb to rail) from 79th to 86th Sts., sheet asphalt on concrete; sidewalks at ends of park strips on Park Ave. between 35th and 39th Sts. and reconstruction park strip on Park Ave. between 39th and 40th Sts.

N. Y., Rochester—April 22, by Good Rds. Comm. Bd. Supervs. Monroe Co. paving 3.25 mi. Long Pond Rd. in town of Greece, bituminous macadam. To exceed $25,000. Co. Eng. Dept., Court House, engrs.

New Jersey—April 28, by State Hy. Comn., Trenton, bituminous concrete shoulders on each side of present concrete pavement Route 4, Sects. 1 and 1-A from south of Navesink River to Middletown, Monmouth Co. A. L. Grover, ch. clk.; adv. this issue.

N. J., Toms River—April 28, by Ocean Co., paving Route 4, Sect. 13, State Highway in Boro of Point Pleasant Beach, rein.-con. J. M. Abbott, co. engr.; adv. this issue.

Pa., Bradford—April 24, at office City Engineer, paving and laying water mains. E. C. Charlton, clk.; adv. this issue.

Pa., Phila.—April 21, paving various streets. F. C. Dunlap, ch. Bureau of Highways.

Maryland—April 25 by State Hy. Dept., Baltimore, sections highways in Garrett Co. Contr. G-15; Prince George Co. Contr. P-30, and P-35; Cecil Co. Contr. Ce-34; all concrete. J. N. Mackall, chn.; adv. this issue.

Va., Bridgeport (Schuyler P. O.)—April 20, by J. W. Johnson, mayor, paving Philadelphia and Johnson Aves., Virginia and Mechanic Sts., 13,000 sq.yd. asphalt 12,-000 lin.ft. concrete curbing, $50,000. Horner Bros., 314 West Main St., Clarksburg, W. Va., engrs.

Va., Staunton—April 15, by W. B. Shields, supt. roads at Staunton, 3½ mi. road between Fisherville and Middle River Dist. line, 18 ft., water bound macadam. State Highway Comn., Richmond, engrs.

W. Va., Bridgeport—April 20, by H. W. Garrett, town recdr., grading, paving and curbing Johnson and Philadelphia Aves., Virginia and Mechanic Sts., 12,000 lin.ft. curbing, 13,000 sq.yd. paving, concrete penetration asphalt or tarvia double seal bituminous macadam. Noted Sept. 8.

Streets and Roads (Continued)

W. Va., Grafton—May 1, by Comrs. Taylor Co., constructing 22 mi. road and repaving 3.5 mi. streets. A. Ferguson, ch. engr.; adv. this issue.

N. C., Lumberton—April 18, by J. P. Russell, town clk., 20,000 sq.yd. concrete paving. Carolina Eng. Co., 412 Southern Bldg., Wilmington, engrs. Noted March 2.

N. C., Lumberton—See "Waterworks."

N. C., Raleigh—See "Waterworks."

South Carolina—May 16, by State Hy. Comm., at office Sanitary and Drainage Comm., Broad St., Charleston, constructing 3.431 mi. road, Charleston Co., $100,000; adv. this issue.

S. C., Florence—April 20, by W. R. Barrington, mayor, improving streets, involving 100,000 sq.yd. asphalt and concrete, 50,000 lin.ft. concrete curbs and gutters, $250,000. Adams & Ervin, Barrington Bldg., engrs.

Ga., Atlanta—April 17, by J. W. Landers, purch. agt., City Hall, paving 4,193 ft. Auburn Ave. from Ivy St. to Boulevard, 17,184 sq.yd. granite block; 759 ft. Greenwood Ave. from Boulevard to Jackson St., 3,870 sq.yd. concrete; 628 ft. Rosser St. from Sells to Greensferry Aves., 2,233 sq. yd. concrete. H. L. Collier, City Hall, engr.

Fla., Clearwater—May 2, by Comrs. Pinellas Co., paving with vitr. brick, sheet or block asphalt, concrete or bituminous macadam 10.5 mi. Haines Rd.; 3.5 mi. Lakeview Ave. out of St. Petersburg; 2.5 mi. Point Pinellas to Maximo Rd.; 2.75 mi. 4th St. south from St. Petersburg; 5 mi. Oakhurst to Indian Rock, reconstructing 10 mi. from Indian Rock to Largo; 4.7 mi. from Sunset Point to Coachman Depot; 5.5 mi. from West Lake Butler to Tarpon Springs; 6.2 mi. from Dunedin to Sutherland; 5.6 mi. Gandy Bridge Rd. from St. Petersburg to Gandy Bridge; 5.93 mi. from Southerland to Clearwater-Oldsmar Rd.; 11.45 mi. from Clearwater to Hillsborough Co. line; 26.4 mi. from St. Petersburg to Pasco Co. line; reconstructing 3.5 mi. Maximo Rd.; paving 1.5 mi. and reconstructing 1.5 mi. Tangerine Ave. C. E. Burleson, Clearwater, engr.

Fla., Wauchula—May 31, by Bd. Trustees, c/o City Clk., paving 4 mi. various streets, involving 58,500 sq. yd. vitr. brick, asphalt block, concrete or bituminous concrete, 39,440 lin.ft. concrete curbing, 18,000 cu.yd. excav., 58,500 sq.yd. rock or clay base, etc, $80,000. J. G. Kimmell, Arcadia, engr.

Alabama—May 2, by W. S. Keller, state highway engr., Montgomery, grading and gravel surfacing 8.23 mi. road from Uriah to Monroeville, Monroe Co., 7 acres clearing, 27,916 cu.yd. excav., 123.04 cu.yd. concrete, 4,000 sta.yd. overhaul, 4,345 lb. reinforcing, 10,540 cu.yd. gravel, 10,000 additional one-half mi. unit haul, etc.; grading and surfacing with gravel or clay gravel, 14.5 mi. from Goodwater to Ashland and Goodwater to Sylacauga, Coosa Co., 16 acres clearing, 81,324 cu. yd. common and 9,719 cu.yd. rock excav., 17,847 sta.yd. overhaul, 135,000 sq.yd. bituminous macadam, penetration, 30,952 cu.yd. broken stone or slag base, 2,828 lin. ft. 15-30 in. pipe, 683 cu.yd. concrete, 48,000 lb. reinforcing, alternate bids will be received on 32,200 cu.yd. imported gravel, 5,900 cu.yd. local gravel, 4,000 cu.yd. gravel surfacing to be screened, 10,000 sq.yd. mixing sand, gravel and clay, etc.

Louisiana—April 24, by State Hy. Dept., Baton Rouge, resurfacing Bossier City-Minock Highway, 6.9 mi. Sect. A, from Forks to Curtis, and 6.32 mi. Sect. A, from Forks to Red River, Bossier Parish, incl. 13,000 cu.yd. excav., 10,000 cu. yd. gravel, J. M. Fourmy, Maison Blanche Annex, New Orleans, state engr.

Louisiana—May 1, by State Hy. Dept., Baton Rouge, grading and gravel surfacing 15 mi. Shreveport-Natchitoches Highway, Red River Parish. J. M. Fourmy, New Orleans, state engr.

Tennessee—May 5, by State Hy. Dept., Nashville, grading, surfacing and bridging 8.5 mi. road from Davidson Co. line to Laundersville, Sumner Co., 18 ft., rock asphalt or bituminous macadam on hand placed course stone base, $225,000. D. Q. McComb, ch. engr.

Ky., Winchester—April 21, by Bd. Comrs., 30,000 sq.yd. paving. N. A. Powell comr. Pub. Wks.; adv. this issue.

Ohio—April 20, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen, Sect. "K" Lima-Sandusky Rd., 3.136 mi., bituminous macadam, $85,246; rein.-con., $92,956; brick, $116,943; state to furnish brick, $83,965. Allen Co., Sect. "L-1" Lima-Sandusky Rd., 3.045 mi., sheet asphalt, $129,557; bituminous macadam, $102,892; brick, $127,443; state to furnish brick, $94,336.

Allen Co., Sect. "L-2" Lima-Sandusky Rd., sheet asphalt, $12,874; bituminous macadam, $10,216; brick, $12,527; state to furnish brick, $9,183.

Fairchild Co. Sect. "G" Lancaster-Newark Rd., 3.050 mi., bituminous macadam, $78,564.

Hancock Co., Sect. "Van Buren" Findlay-Bowling Green Rd., 0.5 mi., bituminous concrete, $32,587.

Marion Co., Sect. "G-3" Marion-Marysville Rd., 2.057 mi., bituminous concrete, $54,892; bituminous macadam, $45,638. L. C. Herrick, dir. highways.

O., Akron—April 26, by E. A. Zeisloft, dir. Pub. Serv. paving and laying sidewalks on Newton St. and adjoining streets, 56,000 sq.ft. cement sidewalk, 13,000 cu.yd. earth excav., 17,500 sq.yd. vitr. brick on 6 in. concrete, etc., $110,000; 1 mi. South Maple St., $110,000; ¾ mi. 5th Ave., $50,000; ¾ mi. Salome, Delia, Doyle and Carterton Sts., $50,000. Noted April 6.

O., Columbus—April 26, by Franklin Co. grading, bridging and paving 2.9 mi. Stygler Rd., 16 ft., $61,000; 2.91 mi. Courtright Rd., 16 ft., $60,000; 5.34 mi. Hayes Rd., 16 ft., $104,000, all waterbound macadam. C. C. Lattimer, Court House, engr.

O., Lima—June 1 (change of date), at office of C. A. Bingham, city mgr., sewage treatment works. Contr. A. B. F. Darling, superv. engr. Noted March 2.

Ind., Greenfield—April 26 by Comrs. Hancock Co., grading and paving W. H. Welbourn et al Rd., Brown Twp., concrete. C. Boone, co. engr.

Michigan—April 18, by State Hy. Dept., Lansing, grading and surfacing 4.306 mi. Federal Aid Project 52, Sect. B, Kalamazoo Co., 12,402 cu.yd. excav., 45,470 sq. yd. asphalt, concrete or bituminous concrete; 4.949 mi. State Trunk Line Rd. 13-24, Emmett Co., 14,670 cu.yd. excav., 47,458 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, Lansing, state engr.

Michigan—April 19, by State Hy. Dept., Lansing, grading and surfacing 6.291 mi. Federal Aid Project 49, Sect. B, Cass Co., 20,157 cu.yd. excav., 66,438 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, Lansing, state engr.

Michigan—April 20, by State Hy. Dept., Lansing, grading and surfacing 2.688 mi. State Trunk Line Rd. 37-6, Kent Co., 15,057 cu.yd. excav., 30,338 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, Lansing, state engr.

Michigan—April 21, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 32-2, Sect. C, Otsego Co., 34,854 cu.yd. excav., 41,937 sq.yd. gravel. F. F. Rodgers, Lansing, state engr.

Michigan—April 25, by State Hy. Dept., Lansing, grading and surfacing 1.015 mi. State Trunk Line Rd. 50-4, Monroe Co., 3,070 cu.yd. excav., 10,720 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, Lansing, state engr.

Michigan—April 25, by State Hy. Dept., Lansing, grading and surfacing 8.716 mi. Federal Aid Project 50, Sect. A, 36,753 cu.yd. excav., 101,380 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, Lansing, state comr.

Wisconsin—April 19, by State Hy. Comm. and Brown Co. at div. office 3, Nicolet Bldg., Green Bay, 1.86 mi. Sturgeon Bay-Forestville Rd., Federal Aid Project 274, Door Co., 8,253 cu.yd. earth excav., alternate bids on 19,584.9 sq.yd. 18 ft. concrete surfacing, 6,528 bbl. cement in place, 7,983 lb. reinforcing or 19,584.9 sq.yd. 18 ft. bituminous macadam surfacing; 2.73 mi. Sturgeon Bay-Ephraim Rd., Federal Aid Project 275, Door Co., 10,933 cu.yd. earth excav., alternate bids on 28,925 sq.yd. 18 ft. concrete surfacing, 9,650 bbl. cement in place, 9,638 lb. reinforcing or 28,925 sq.yd. 18 ft. bituminous macadam; De Pere-Greenleaf Rd., Brown Co., beginning 2 mi. south of De Pere and running south 4.81 mi., 15,000 cu.yd. earth excav., 45,155 sq. yd. 18 ft concrete surfacing, 13,540 bbl. cement in place.

Wis., Green Bay—April 18, by Bd. Pub. Wks., paving School Pl., Oakland, Elmore and Shawano Aves., Irwin, Jackson and Roosevelt Sts. 39,000 sq.yd. sheet asphalt, asphaltic concrete, brick block, rein.-con., creosoted block or sandstone block, 27,210 lin. ft. combination curb and gutter, 17,600 cu.yd. grading not incl. track zone, 2,700 sq. yd. pavement in track zone. A. E. Kringel, City Hall, engr.

Ia., Des Moines—April 17, Polk Co., grading and paving 12 mi. Des Moines-Polk City Rd. from North 6th Ave. to Polk City, 20 ft., 140,800 sq.yd. Class A concrete pavement. $375,000. F. O. Laing, co. engr.

Minn., Blue Earth—April 19 by Faribault Co., 4.6 mi. State Rd. 3, 38,096 cu.yd. excav., 86 cu.yd. concrete culverts, Bridge 3766, 125 cu.yd. concrete; 6.75 mi. State Rd. 8, 47,260 cu.yd. excav., 130 cu.yd. concrete culverts, Bridge 3765, 111 cu.yd. concrete, 4 rein.-con. culverts, 316 cu.yd concrete. J. J. Herring, aud.

Minn., Breckenridge—April 20, by P. E. Truax, aud. Wilkin Co., Job 2202, State Rd. 1, 70,124 cu.yd. earth and 100 cu.yd. loose rock excav., 134,610 cu.yd. overhaul, etc. $26,000. O. Lind, Breckenridge, engr.

Minn., St. Paul—April 17 by H. W. Austin, city purch. agt., widening Robert St. from Central Ave. to University Ave. and University Ave. from Robert St. to Park Ave., incl. grading, walls, slopes, sewer and water mains, etc., also 80 ft. concrete span bridge, 60 ft. wide, on Cedar St. and University Ave. $300,000. Bids asked on furnishing material and labor and on doing work by force account. O. Claussen, city engr. Noted April 6.

Minn., St. Paul—April 17, by H. W. Austin, city purch. agt., furnishing materials for paving Syndicate Ave. from Bohn St. to end of present paving, North, 290 bbl. portland cement, 170 cu.yd. crushed stone or gravel for one course concrete, 130 cu.yd. concrete sand, wire mesh; White Bear Ave. from Kerwin St. to Larpenteur Ave., 7,002 bbl. portland cement, 4,060 cu.yd. crushed stone or gravel for one course concrete, 3,129 cu.yd. concrete sand, round steel reinforced wire mesh, etc.; Kerwin St. from White Bear Ave. to Hazel Ave. and Stillwater Rd. from Hazel Ave. to east city limits, 4,240 bbl. portland cement, 2,462 cu.yd. crushed stone or gravel, 1,884 cu.yd. concrete sand, round steel reinforced wire mesh, etc.; Vandalia St. from Chicago, Milwaukee & St. Paul Ry. tracks to University Ave., 5,077 sq.yd. S. P. creosoted wood block, 918 sq.yd. 3 in. vertical fiber brick block, 1,345 bbl. portland cement, 1,000 cu.yd. crushed stone or gravel, 600 cu.yd. concrete sand, 60,924 lb. pitch filler, 11,016 lb. asphalt filler, etc.; Bohn St. from Syndicate Ave. to Griggs St., 546 bbl. portland cement, 318 cu.yd. crushed stone or gravel, 244 cu.yd. concrete sand, wire mesh, etc.; Plato Ave. from Wabasha St. to South Robert St., 5,296 sq.yd. 3 in. vertical fiber brick, 1,000 bbl. portland cement, 442 cu.yd. concrete sand for base, 736 cu.yd. crushed stone or gravel, 325 cu. yd. screened sand, 63,552 lb. asphalt filler, etc.; Como Ave. west from Hamline to Snelling Aves., 9,462 sq.yd. creosoted wood block, 1,650 bbl. portland cement, 1,315 cu. yd. crushed stone or gravel, 789 cu.yd. concrete sand, 113,544 lb. pitch filler, etc.; Lafond St. from Snelling Ave. to Aldine St., 800 bbl. portland cement, 640 cu.yd. crushed stone or gravel, 384 cu.yd. concrete sand, 69 ton asphalt, 69 ton limestone dust, etc. Bids are also asked for (A) furnishing all labor and material at specified sum, (B) doing work by force account on percentage of cost price. O. Claussen, city engr.

Minn., Warren—April 25 by A. G. Lundgren, aud. Marshall Co., 11.53 mi. Job 2202, State Rd. 10, 86,122 cu.yd. excav., 12,978 cu. yd. overhaul, 1,492 lin. ft. 18-48 in. corrugated metal culverts; 9.72 mi. Job 2206, State Rd. 6, 37,744 cu.yd. excav., 8,825 cu. yd. overhaul, $30,000. J. E. Dishington, Warren, engr.

Kan., Girard—April 18, at office P. C. Tiffany, clk. Crawford Co., paving Commercial Highway, Federal Aid Projects 66 and 40, Mulberry Rd., County Project 1, also 4 bridges; adv. this issue.

Kan., Leavenworth—April 25, Leavenworth and Wyandotte Counties, 3.128 mi. concrete slab Sect. A, Federal Aid Project 52. $90,000. O. K. Williamson, Kansas City, engr. Noted March 2.

S. D., Madison—April 25, by State Hy. Comm. at Madison, grading 6.7 mi. Federal Aid Project 87, and building 100 ft. concrete viaduct, Lake Co., $25,000. V. W. Effert, co. aud.

S. D., Redfield—April 26, by State Hy. Comn., at Redfield, grading 14 mi. Federal Aid Project 84, 14 mi. Federal Aid Project 94, building one 60 ft. pony truss and one 30 ft. I beam bridge, Spink Co., $45,000. J. P. Wolf, co. aud.

S. D., Sisseton—April 27, by State Hy. Comn., at Sisseton, grading 14 mi. Federal Aid Project 96, and 3 in. Federal Aid Project 41C, Roberts Co., $30,000. J. Hanson, co. aud.

S. D., Sturgis—April 20, by State Hy. Comn., at Sturgis, grading 14 mi. Federal

Streets and Roads (Continued)

Aid Project 88A, building one 76 ft. and one 48 ft. concrete viaducts, also one 30 ft. I beam bridge, Meade Co., $35,000. J. G. Wilson, aud.

Tex., Wichita Falls—April 24, by J. P. Jones, judge Wichita Co., paving 8.16 mi. Meridian Highway, State Highway 2, 7¼ mi. north of here to Red River, 263,769 sq. yd. concrete, 37,900 cu.yd. mi. overhaul concrete pavement, $309,280. J. M. Isbell, co. engr.

Colorado—April 19, by State Hy. Comn., Denver, paving 2 mi. Santa Fe Trail Rd., Project 166, Otero Co., 18 ft., concrete. $72,827. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Utah, Ogden—April 18, by C. O. De Wolf, city recdr., paving 3 blocks east of Harrison St., on 25th St. and Tyler Ave., from 25th to 26th Sts., 2,900 sq.ft. of 4-in. concrete sidewalks, 6,464 cu.yd. excav., 13,270 sq.yd. asphalt, warrenite bitulithic, bituminous concrete or rein.-con., etc. W. S. Craven, city engr.

Ont., Kitchener—S. Cassell, clk. Waterloo Co., Court House, receiving bids concrete pavements as follows:—18,773 sq.yd. 7 in. thick in Woolwich Twp., 622 sq.yd. 7 in. in West Montrose, 4,689 sq. yd. 7 in. between Preston and Hespeler, 1,778 sq.yd. 8 in. in Waterloo, 1,030 sq.yd. 8 in. in Bridgeport. $75,000. L. S. Lichty, Wellesley, engr. and supt.

Ont., Leamington—R. M. Selkirk, clk., receiving bids 1¾ to 2¼ mi. rein.-con. pavements. $100,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Toronto—April 19, by C. A. Maguire, City Hall, asphalt pavements on Austin, Beachview and Fairmount Crescents, Austin Terrace, Hillington Ave., Cluny Dr., Dewson, Gerrard and George Sts., 30,000 sq.yd. asphalt on concrete, $125,000; also 25,000 sq.yd. bitulithic pavements on Beachview and Fairmount Crescents, Belhaven, Bowmore and Wrenson Rds., Brookside Dr., Caithness and Glebemount Aves., Glebeholme Blvd. $100,000. R. C. Harris, city engr.

BIDS RECEIVED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids April 6, repairing (1) asphalt pavements in railroad area when and where directed by chief engineer, repaving (2) Ludlow St., (3) Suffolk St., (4) Vesey St., (5) Ave. A, (6) East 111th St., from Brusstar Constr. Co., Inc., Harlem River and 150th St., (1) $69,100, (5) $69,639; W. J. Fitzgerald, 547 West 45th St., (1) $73,025; Sicilian Asphalt Paving Co., 41 Park Row, (1) $74,803; O'Rourke Contg. Co., 1476 Bway., (2) $31,194, (3) $25,669, (4) $18,532; P. J. Kearns Contg. Co., 2306 Creston Ave., (2) $31,925, (3) $26,491, (4) $18,298; J. Meehan & Son, 74 Cortlandt St., (2) $31,928, (3) $25,983, (4) $18,241; Asphalt Constr. Co., 208 Bway., (5) $62,778, (6) $23,366; Interboro Asphalt Co., 233 Bway., (5) $70,193, (6) $25,244; J. E. Gaffney, 438 East 91st St., (6) $26,614. Noted March 30.

N. J., Camden—C. F. Wise, chn. Camden Co. Road Com., Court House, opened bids April 10, resurfacing (1) Evesham Rd., asphalt surfacing (2) Marlton Pike, repaving (3) Sect. 9 White Horse Pike, grading and paving, etc. (4) White Horse Pike, (5) Sect. 10 White Horse Pike, from W. M. Evans, Ambridge, Pa., (1) $62,483, (2) $119,928; J. F. Burke Co, 309 Park Ave., Plainfield, (1) $64,219, (2) $117,762; Union Paving Co., 30th and Locust Sts., Phila., (1) $62,679, (2) $117,685; Ross & Whelan, Broad St. Bank Bldg., Trenton, (3) $208,466, (5) $304,560; J. A. Kelley, Pennsylvania Bldg., Phila., (3) $200,593, (4) $272,822, (5) $297,724; B. Franklin, Jr., Crozier Bldg., Phila., (3) $232,861; W. P. Corson, 1141 Sycamore St., (4) $269,645; Fish-Rutherford Co., Real Estate Trust Bldg., Phila., (4) $311,101; Hyman Goodmans Co., Buffalo, N. Y., (5) $298,080. Noted March 30.

North Carolina—State Hy. Comn., Raleigh, improving (1) 10.12 mi. State Project 790, Yadkin Co., (2) 3.88 mi. State Project 493, Warren Co., (a) grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (3) 12.59 mi. State Project 138 A, Halifax and Northampton Co., (4) 10.4 mi. State Project 544, Hoke Co., (a) clearing, grading and topsoiling, (b) rein.-con. bridges and culverts, (5) clearing, grading and concrete or asphaltic paving 4.19 mi. State Project 428, Granville Co., (6) clearing and grading 15.6 mi. State Project 219, Lenoir Co., (7) grading and concrete or asphaltic paving 7.11 mi. State Project 677, Scotland and Robeson Counties, (8) paving with waterbound or bituminous macadam 13.6 mi. State Project 378, Pender Co., from Pittman Constr. Co., Rhodes Bldg., Atlanta, Ga., (1a) $277,155, (5) $129,242; Columbia Bridge & Bldg. Co., Columbia, Tenn., (1b) $19,958; Porter & Boyd, Realty Bldg., Charlotte, (1a) $295,742, (8) $211,958; R. M. Thurmond & Co., Lynchburg, Va., (1b) $22,994; A. J. Wardrop, 1717 Highland Ave., Knoxville, Tenn., (1a) $328,282; Stearns Bros., Statesville, (1b) $23,087; Gregory & Ragland, Virgilina, Va., (2a) $66,666, (2b) $2,929; A. C. House, Weldon, (2b) $2,743, (3b) $7,948; Porter & Peck, Greenville, (2a) $69,273, (2b) $2,993, (3a) $136,495; P. R. Ashby, Tucker Bldg., Raleigh, (2a) $110,871, (7) $228,699; N. L. Teer, Durham, (3a) $108,808; Richards Bros., Raleigh, (3b) $7,655; C. W. Lacy, Wilmington, (3a) $144,118, (3b) $10,000, (6) $56,104, (8) $195,792; O. A. Mann & Co., La Grange, Ga., (4a) $20,422, (7) $248,964; Chitwood & Carpenter, Columbia, S. C., (4b) $6,588; J. T. Pigg, Manning, S. C., (4a) $21,861; Bolton Constr. Co., Marion, (4a) $22,490, (4b) $7,129; C. E. Teague, Augusta, Ga., (4b) $7,609; R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, (5) $130,863; J. F. Mulligan Constr. Co., North Wilkesboro, (6) $49,336; Costello Bros., Henson Bldg., Knoxville, Tenn., (6) $59,647; Chitwood & Palmer, Florence, S. C., (7) $236,019. Noted March 23.

O., Euclid—Opened bids April 3, paving Hawthorne, Glenbrook, Idlehurst, Oakhill, Chatworth, Beverly Hills and Yosemite Rds., 16,140 lin.ft. cement curb and gutter, 8,450 cu.yd. earth excav., 166,200 sq.ft. asphalt on 5 in. concrete, from Cleveland Trinidad Paving Co., The Arcade, Cleveland. $128,653. Noted March 23.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving (1) 4.81 mi. Route 2, Sect. 12, Union Co., (2) 8.52 mi. Route 2, Sect. 13, Union Co., (3) 13.32 mi. Route 2, Combination A, Union Co., (4) 6.47 mi. Route 2, Sect. 14, Union-Pulaski Co., (5) 3.67 mi. Route 2, Sect. 15, Pulaski Co., (6) 6.94 mi. Route 2, Sect. 16, Pulaski Co., (7) 17.08 mi. Route 2, Combination B, Union-Pulaski Co., (8) 30.4 mi. Route 2, Combination C, Union-Pulaski Co., (9) 3.04 mi. Route 5, Sect. 3, Cook Co., (10) 3.96 mi. Route 5, Sect. 4, Du Page Co., (11) 5.16 mi. Route 5, Sect. 5, Du Page Co., (12) 12.16 mi. Route 5, Combination E, Cook-Du Page Co., (13) 4.72 mi. Route 3, Sect. 57, Jersey-Greene Co., (14) 6.05 mi. Route 4, Sect. 4, Will Co., (15) 5.96 mi. Route 7, Sect. 3, Henry Co., (16) 5.51 mi. Route 10, Sect. 5, Champaign-Piatt Co., (17) 4.24 mi. Route 10, Sect. 6, Piatt Co., (18) 1.75 mi. Route 10, Sect. 7-H, Piatt Co., (19) 11.5 mi. Route 10, Combination F, Champaign-Piatt Co., (20) 4.81 mi. Route 10, Sect. 12, Macon Co., (21) 7.23 mi. Route 21, Sect. 1, Cook-Lake Co., (22) 2.27 mi. Route 21, Sect. 4, Lake Co., (23) 9.51 mi. Route 21, Combination G, Cook-Lake Co., (24) 2.56 mi. Route 22, Sect. 14, Will Co., (25) 6.97 mi. Route 33, Sect. 5, Jasper Co., from Cameron, Joyce & Co., Keokuk, Ia., (1) $120,111, (5) $75,926, (14) $149,910. A. H. Reed Co., Omaha, Neb., (1) $120,401, (2) $197,305, (4) $137,714, (6) $156,043. Alzina Constr. Co., Springfield, (1) $123,284, (2) $199,405, (3) $306,366, (4) $126,780, (5) $68,829, (6) $148,310, (7) $332,644, (8) $638,421. General Constr. Co., St. Louis, Mo., (2) $218,331, (3) $335,335. M. Hayes & Son, Janesville, Wis., (4) $115,845, (5) $69,201, (6) $143,046, (7) $320,542. J. O. Heyworth, 606 South Michigan Ave., Chicago, (7) $346,739. J. Mackler & Co., Chicago Heights, (9) $63,252, (10) $90,392. White Constr. Co., 17 North La Salle St., Chicago, (9) $64,459, (10) $97,637, (11) $111,724, (12) $247,936, (22) $52,137, (23) $214,169. J. A. Sackley, 133 West Washingon St., Chicago, (9) $68,214, (10) $108,688. Lorenz & Black, Oak Glenn, (11) $106,829. C. C. Stewart & Co., Chicago, (11) $115,741. R. F. Conway & Co., 133 West Washington St., Chicago, (12) $295,275. W. F. Smith & Co., Rennselaer, Ind., (13) $91,618, (16) $96,254, (25) $132,086. C. Degenhardt, Alton, (13) $93,984. J. Kessel & Son, Edwardsville, (13) $96,644. Booth & Gilchrist, Gardner, (14) $146,642. Powers & Thompson, Joliet, (14) $149,794, (24) $54,689. Capital Constr. Co., 920 Cherry St., Des Moines, Ia., (15) $129,010. Deckwell Constr. Co., Chicago, (15) $128,996. Central Eng. Co., 711 Putnam Bldg., Davenport, Ia., (15) $137,491. McMahon Constr. Co., Rochester, Ind., (16) $99,373, (17) $80,222 (18) $34,093, (19) $207,000. C. J. Moritz, Effingham, (16) $102,277. Henkle Constr. Co., Mason City, (17) $80,477, (18) $34,848. Piatt Co., Hard Road Comn., Monticello, (17) $81,272, (18) $34,144. Jansen & Schaefer, 212 North Capitol St., Pekin, (19) $203,227. W. F. Lodge, Monticello, (19) $214,000. Bd. Supervs. Macon Co., Decatur, (20) $106,972. A. Faber, Mason City, (20) $126,753. Eclipse Constr. Co., Winnetka, (21) $174,039. C. E. Carson & Co., 155 North Clark St., Chicago, (21) $178,632. Commonwealth Impvt. Co., 133 West Washington St., Chicago, (21) $180,481, (23) $233,554. F. C. Nelson, Racine, Wis., (22) $49,159, (23) $236,632. W. A. Jaicks, 232 East Pearson St., Chicago, (22) $50,888. Chicago Heights Coal Co., Chicago Heights, (24) $53,483. G. W. Comstock, Peoria, (24) $56,735. O. Arnold, Casey, (25) $134,247. B. C. Connor, Newton, (25) $136,770. Noted March 23.

Wis., Beloit—Opened bids March 31, paving various streets, from Clayton Constr. Co., 397 Farwell Ave., Milwaukee, concrete, $137,927; G. Welch, 206 Water St., Beloit, concrete, $139,210; Western Impvt. Co., 840 9th St., Racine, sheet asphalt, $142,635.

Wis., Juneau—Dodge Co. opened bid Theresa-Mayville Rd., from Cherney Constr. Co., Francis Creek, 24,272 cu.yd. earth excav., $0.79, 2,763 cu.yd. borrow, $0.80, 1,441 sq.yd. concrete surfacing $1.42, etc., total $104,099.

N. D., Fargo—For paving portions 10th St. S., 11th St. S., 7th Ave. S. and 8th Ave. S., Job 162, Dist. 3, from Schruth & Jackson, Fargo, brick, $52,213, brick and concrete, $68,647; W. E. Kennedy, Fargo, brick, $57,768, concrete, $61,278, bitulithic, $72,328. Noted March 23.

Tex., Georgetown — Williamson Co. opened bids March 30, (1) 5.9 mi. State Highway 21 from Liberty Hill to Burnett Co. line, (2) 6.3 mi. State Highway 2-C in Jarrel Sect., from Hawkins & Sons, Granger, (1) $26,408, (2) $33,622; Kuykendall & Shelton, Temple, (1) $26,413, (2) $33,677; Brown & Root, Taylor, (1) $27,033; Hutto & Sons, Gonzales, (2) $34,140. Noted March 23.

Cal., Fresno—Improving (1) Calaveras St. between H and Divisadero Sts., (2) 1st St. between Belmont and Tulare Sts., from Thompson Bros., 1504 H St., (1) $36,728, (2) $48,306; California Road & Street Impvt. Co., Bank of Italy Bldg., (1) $37,194, (2) $48,132; Federal Constr. Co., Call Bldg., San Francisco, (1) $37,472, (2) $46,881. Noted Mar. 2.

Cal., San Diego—San Diego Co. concrete paving 2.21 mi. Julian Rd. from Foster to Mussey Grove, from Riley & Peterson, 3044 Goldsmith St., $46,592; National Constr. Co., 339 West Bway., $50,000; Bent Bros., 1714 Eagle St., Los Angeles, $60,993.

CONTRACTS AWARDED

Mass., Hingham—Town Hy. Dept. will repair and build new roads, waterbound macadam and gravel, by day labor. $50,000.

Mass., North Andover—Will repair and build new waterbound macadam pavements and concrete sidewalks, by day labor under supervision G. H. Mathewson, highway surv.

New York—H. S. Sisson, comr. State Hy. Dept., Albany, 2.1 mi. Repair Contr. 1342 Allegany Co., to Greenfield Constr. Co., 89 Main St., Hornell, $49,872; 4.71 mi. Repair Contr. 1338, Chenango Co., to Gulle & Ellsworth, New Berlin, $59,773; 2.34 mi. Repair Contr. 1340, Delaware Co., and 4.05 mi. Repair Contr. 1343, St. Lawrence Co., to De Graff & Hogeboom, Inc., Kingston, $32,433 and $56,589 respectively; 3.67 mi. Repair Contr. 1341, Erie Co., to Tyne & Willey, Binghamton, $94,804; 1.89 mi. Repair Contr. 1334, Oneida Co., to J. E. Flood Co., Hudson Falls, $54,945; 1.92 mi. Repair Contr. 1335, Ontario Co., to Dale Eng. Co., Mann Bldg., Utica, $36,079; 1.38 mi. Repair Contr. 1347, Schenectady Co., to O'Day & Ambrose, Binghamton, $32,612. Noted April 6.

N. Y., Albion—Orleans Co. paving 2.5 mi. Kendall-Morton Rd., $30,000; 2.36 mi. Albion-Eagle Harbor Rd., $28,320; 2.6 mi. Knowlesville-Ridge Rd., $31,200, all bituminous on local stone, by day labor. H. D. Waldo, Albion, engr.

N. Y., Canton—Bd. Supervs. St. Lawrence Co. will pave 6.8 mi. Canton-Pyrites Highway, in Canton, $77,976; 4.25 mi. Brasie Corners-Rossie Rd., Macomb and Rossie, $39,306; 4.3 mi. Black Lake Rd., Oswegatchie, $34,428; 1.32 mi. Ft. Jackson-Hopkinton Rd., Hopkinton, $11,257; 2.1 mi. Lisbon Center-State Rd., Lisbon, $17,665; 1.25 mi. Plumbrook Rd., Norfolk, $5,201; 0.8 mi. Richville-Gigelow Rd., Dekalb, $6,057, all foregoing with bituminous; 0.73 mi. West Stockholm-Potsdam-Winthrop Rd., Stockholm, $8,856, concrete, by day labor under supervision of W. F. Willson, co. highway comr.

N. Y., Geneva—Bd. Pub. Wks. paving various streets, sheet asphalt on 5 in. concrete, to J. H. Gallup, Union Blk., Syracuse, $101,777. Noted March 16.

Streets and Roads (Continued)

N. Y., Long Island City—M. E Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalks and gutters on 107th Ave., to H. E. Hordes Co., Inc., 2577 Cooper St., Brooklyn, $7,326; curbing, recurbing, flagging, reflagging and paving 14th, to J. P. Dugan Co., 10 Court Sq., $14,117. Noted April 6.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Municipal Bldg., repaving White Plains Rd., to Casper Helbock Co., 633 Wales Ave., $130,708; paving Harlem River Terrace, to C. D. Beckwith, Inc., 2875 Bway., $4,949; grading and curbing etc. White Plains Rd., to Knight & DeMicco, 449 East Tremont Ave., $27,503; 172nd St., to P. J. Kearns Contg. Co., 2306 Creston Ave., $8,738; Sackett Ave., to C. DelBlasio, 339 7th Ave., Mount Vernon, $8,079; Maclay Ave. and storm drain in Dyre Ave., to McLaughlin & Buckley, 337 East 134th St., $1,731 and $10,985 respectively; Hone and Tomlinson Aves., to Ames Transfer Co., 3457 Kingsbridge Ave., $7,149 and $7,174 respectively. Noted April 6.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving Division St., to J. Meehan & Son, 74 Cortlandt St., $26,354; Bleecker St., to W. J. Fitzgerald, 547 West 45th St., $25,679; widening and repaving Grand and 33rd Sts., to P. J. Kearns Contg. Co., 2306 Creston Ave., $18,704 and $18,462 respectively. Noted April 6.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving Cortlandt St., to W. J. Fitzgerald, 547 West 45th St., $30,207 104th St., to C. D. Beckwith, Inc., 2875 Bway., $18,007; 84th St., to Asphalt Constr. Co., 208 Bway., $26,652. Noted March 30.

N. Y., Watertown—Bd. Supervs. Jefferson Co. will construct 50 mi. macadam highways, by day labor, under supervision of H. S. Ball, County Bldg., co. supt. highways, Arsenal St., $350,000.

N. J., Plainfield—Common Council, City Hall, improving various streets, to Baton Constr. Co., Front and Norris Sts., Phila., $53,893. Noted March 30.

N. J., Trenton—Mercer Co. constructing Sect. 3, Route 2, State Highway System, South Broad St., 4,872 cu.yd. excav., 19,230 sq.yd. sheet asphalt surface and binder, 2,189 sq.yd. vitr. block pavement, 21,644 sq.yd. concrete foundation and 5,942 sq.yd. macadam surface, also paving East Clinton Ave., 1,850 sq.yd. asphalt and 1,250 sq.yd. brick, to J. J. Barrett, 147 Lafayette St., $69,433 and $16,266 respectively. Noted March 23.

Pa., Phila.—Paving Lancaster Ave. and 5th St., to Barber Asphalt Paving Co., Land Title Bldg., $55,600 and $29,000 respectively; grading Jefferson St., to E. A. Mullen, 5512 Vine St., $28,200; furnishing and setting, granite and concrete curbs in various streets, to J. J. McHugh, 1430 South Penn Sq., $69,000. Noted March 23.

West Virginia — State Rd. Comn., Charleston, concrete paving 5.3 mi. Morgantown-Pt. Marion Rd., Project 113, Monongalia Co., 10,000 cu.yd. excav., 12,900 cu.yd. one course cement concrete, 3.78 mi. Spencer-Walton Rd., Project 32, Roane Co., 8,500 cu.yd. common and 450 cu.yd. dry excav., 265 cu.yd. concrete, 7,240 cu.yd. one course cement concrete, to Cisler & Morse, Marietta, O., $179,984 and $106,053 respectively, 1.91 mi. National Pike, Project 120, Ohio Co., 10,105 lin.ft. clearing, 2,860 cu.yd. excav., 393 cu.yd. concrete, 7,700 lb. reinforcing, 20,210 lin.ft. plain cement concrete curb, 620 cu.yd. bank run gravel base course, 4,200 cu.yd. one course cement concrete, 3,550 lb. metal reinforcement for pavement, etc., to Engstrom & Knapp, Wheeling, $66,251, 5.3 mi. Murphytown-Dallison Rd., Project 3116, Wood Co., 28,000 lin.ft. clearing, 20,000 cu.yd. excav., 4,100 lb. reinforcing, 10,140 cu.yd. one course cement concrete, 7,000 lb. metal reinforcement for pavement, etc., to Smith & Quynn, Parkersburg, $136,943, 0.4 mi. Fairmont-Clarksburg Pike, Project 3112, Marion Co., 1,375 cu. yd. excav., 1,000 cu. yd. one course cement concrete, to P. S. Horner & Co., Clarksburg, $14,818, 0.75 mi. Logan-Stollings Rd., Project 1113, Logan Co., 2,000 cu.yd. excav., 3,000 cu.yd. borrow, 70,000 sta.yd. overhaul, 1,650 cu.yd. one course concrete pavement, etc., to Thompson & Doss, Barboursville, $28,770; grading 0.24 mi. Stone Coal-Gray Eagle Rd., Projects 3118 and 3137, Wayne and Mingo Counties, 1,200 lin.ft. clearing, 8,000 cu.yd. excav., etc., to Rogers & Shumway, Worthington, $8,804, 8.8 mi. Camden-on-Gauley-Upper Glade Run Rd., Project 3021, Webster Co., 46,334 lin.ft. clearing, 115,000 cu.yd. common and 500 cu.yd. borrow excav., 1,000 sta.yd. overhaul, 952 cu.yd. concrete, 19,645 lb. reinforcing, 2,682 lin. ft. 18-36 in rein.-con. pipe, etc., to J. M. Lipscomb, Glenville, $77,549. 5 mi Romney-New Creek Rd., Project 3011, Hampshire Co., 26,384 lin.ft. clearing, 26,700 cu.yd. common and 2,700 cu.yd. borrow excav., 3,903 lb. reinforcing, etc., to J. M. Cain, Cumberland, Md., $30,804, 2.8 mi. Spencer-Arnoldsburg Rd., Roane Co., 14,700 lin.ft. clearing, 34,000 cu.yd. excav., 3,800 lb. reinforcing, 1,216 lin.ft. 12-24 in. rein.-con. pipe, etc., to Cooper, Piper & Co., Charleston, $30,413; grading and paving with bituminous penetration macadam 1.48 mi. Cannelton-London Rd., Project 3135, Kanawha Co., 7,800 lin.ft. clearing, 44,500 cu.yd. excav., 2,400 lb. reinforcing, etc., to A. Keathley, Charleston, $22,122, 4.24 mi. Clarksburg-Fairmont Rd., Project 3023, Harrison Co., 24,500 cu.yd. common excav., 5,700 cu.yd. borrow excav., 7,850 sq.yd. bituminous macadam surface, 17,650 gal. bituminous material for pavement, etc., to P. S. Horner & Co. Clarksburg, $160,150, 7.36 mi. Maybeury-Simmons Rd., Projects 3007 and 3008, McDowell and Mercer Co., 38,500 lin.ft. clearing, 100,000 cu.yd. common, 3,900 cu.yd. dry and 1,000 cu.yd. borrow excav., 790 cu.yd. concrete, 7,000 lb. reinforcing, 4,560 lin.ft. 15-24 in. vitr. clay pipe, 72,300 sq.yd. bituminous macadam, 161,700 gal. bituminous material for penetration macadam, to E. K. Newell & Co., Maysville, Ky., $251,766, 0.98 mi. Simmons-Bluefield Rd., Project 3060, Mercer Co., 5,000 lin.ft. clearing, 7,000 cu.yd. common, 500 cu.yd. dry and 300 cu.yd. borrow excav., 10,000 sq.yd. bituminous macadam, 23,000 gal. bituminous material for penetration macadam, etc., to J. E. Dougher & Son, Union, $26,303; grading and gravel surfacing 5.49 mi. Glenwood-Mercers-Bottom Rd., Project 3058, Mason Co., 29,000 lin.ft. clearing, 75,000 cu.yd. common, 2,000 cu.yd. dry and 12,000 cu.yd. borrow excav., 40,000 sta.yd. overhaul, 660 cu.yd. concrete, 24,000 lb. reinforcing, 250 cu.yd. loose gravel, 12,000 cu.yd. gravel surfacing, etc., to Tulley Constr. Co., Weston, $69,126; grading and concrete paving 1.6 mi. Fairmont-Morgantown Pike, Project 4, Marion Co., to Cisler & Morse, Marietta, O., $51,341; grading and paving 5.2 mi. Ellenboro-Harrisville Rd., Ritchie Co., to Smith & Quynn, Parkersburg, $170,337, 3.8 mi. Fairmont-Morgantown Pike, Project 114, Monongalia Co., to Cisler & Morse, Marietta, O., $125,703, 5.85 mi. Oldfields-Hampshire Co. line Rd., Project 3013, Hardy Co., 30,837 lin.ft. clearing, 34,300 cu.yd. common, 900 cu.yd. dry and 1,000 cu.yd. borrow excav., 605 cu.yd. concrete, 13,000 lb. reinforcing, 1,210 lin.ft. 15-24 in. rein.-con. pipe, 12,000 cu.yd. broken stone base, 54,900 sq.yd. waterbound macadam, etc., to Heger Bros., Grafton, $100,190. Noted March 9.

W. Va., Elkins—Randolph Co., hard surfacing 4 mi. Norton-Coalton Rd., to M. J. Fahey, Elkins, $80,996. Noted March 9.

W. Va., Huntington—Paving Jefferson Ave., hocking repressed block to L. J. Gilespie, 1751 5th Ave., $15,790; Oakland Ave., from 28th and 3rd Sts., pebbles repressed block, to J. Ullom, Huntington, $13,000; 29th St. and 5th Ave., pebbles repressed block, to L. Bias & Co., Huntington, $18,621.

North Carolina—State Hy. Dept., Raleigh, grading and waterbound macadam paving 13.58 mi. State Project 962, Macon Co., to O'Brien Constr. Co., Birmingham, Ala., $111,136. Noted March 23.

N. C., Charlotte—Mecklenburg Co. constructing 3.5 mi. Providence Rd., asphalt, to Noll Constr. Co., 502 South Cedar St., surfacing $2.45 per sq.yd., grading $0.50 per cu.yd., total $100,000.

N. C., Greensboro—For 180,000 sq.yd. paving and 1.5 mi. storm sewers, etc., to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., Contr. 1, total $322,568, Contr. 2, total $257,687. Noted March 23.

Fla., Orlando—Comrs. Orange Co. grading and clay surfacing 6 mi. Plymouth-Sorento Rd., 25,000 cu.yd. excav., 15,000 cu.yd. clay, etc., to J. Karner Co., 305 Donald St., Jacksonville, grading $0.24, clay $1.22 per cu.yd., Class B concrete $32, Class A concrete $27.

Fla., Pensacola—Constructing 12.75 mi. Gulf Beach Highway, 135,700 sq.yd. rein.-con., to Speed-Parker & Co., Norton Bldg., Louisville, Ky., $403,421. Noted March 9.

Alabama—State Hy. Dept., Montgomery, grading and sand-clay surfacing 9.981 mi. highway from Geneva to Hartford, Geneva Co., to Lawrence, Nixon & Phillips, Jackson, Miss., $36,633; grading and surfacing with sand-clay and gravel, 26.096 mi. from Elba to Geneva Co. line, Coffee Co., to J. B. and J. R. Miller, Baconton, Ga., $8,577, 5.735 mi. from Choctawhatchee River to Houston Co. line, Dale Co., to Court of Dale County Comrs., Ozark, $41,965; grading and topsoiling 16.7 mi. from Lanett to Randolph Co. line, Chambers Co., to O. A. Mann & Co., La Grange, Ga., $44,814; grading, gravel surfacing and bridging 13.661 mi. from Center Star to Limestone Co. line at Elk River Bridge, Lauderdale Co., including 120 ft. steel span and 245 ft. concrete approach, to Gibson Constr. Co., Knoxville, Tenn., $165,575. Noted April 6.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 1.952 mi. Sect. "K" Marysville-Marion Rd., Union Co., bituminous macadam, oil A, to Laubis Stone Co., Kenton, $36,111; 1.42 mi. Sect. "C" Millersburg-Wooster Rd., Wayne Co., brick, to G. W. Hadley, Canton, $50,171. Noted April 6.

O., Bexley (Columbus, P. O.)—S. W. Roderick, clk., grading, curbing, laying water mains and paving 3,300 ft. Cassaday Ave., 400 ft. Dale Ave. and 400 ft. Plymouth Ave., all asphalt, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $44,574, $5,139 and $4,927 respectively; 2,600 ft. Ashborne Rd. and 600 ft. Ashborne Pl., asphalt, to A. G. Pugh, Columbus, $21,607 and $6,415 respectively. Noted March 16.

O., Cleveland—Cuyahoga Co. grading, draining and paving Royalton Rd., to Romano Bros., 8006 New York Ave., $24,956. Noted March 30.

Michigan — State Hy. Dept., Lansing, grading and surfacing 3.375 mi. State Trunk Line Rd. 10-21, Sect. B, Iosco Co., to W. T. Hill, East Tawas, $39,850; 8.972 mi. State Trunk Line Rd. 10-31, Iosco Co., to Arenac Constr. Co., Standish, $115,834. Noted March 23.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2½ mi. Assessment Dist. Rd. 1, gravel, Hillsdale Co., to Bishopp & Rowlson, Hillsdale, $30,153; 6.428 mi. Assessment Dist. Rd. 58, concrete, Macomb Co., to T. E. Currie, 20 McGraw Bldg., Detroit, $172,772; 2.6 mi. Assessment Dist. Rd. 67, Sect. B, gravel on slag, Macomb Co., to A. L. Campbell, New Haven, $30,780.

Mich., Royal Oak (Detroit P. O.)—Bassett & Smith, 1103 Vinton Bldg., grading, shaping, curbing and paving with rein.-con. 5,000 sq.yd. Vinsetta and Sunset Blvds., to Meredith & McVaugh, 240 Horton Ave., $25,000.

Ill., De Kalb—For 6,874 sq.yd. brick paving to Gund, Graham Constr. Co., Crum & Foster Bldg., Freeport, $28,474; concrete paving, to Chicago Heights Constr. Co., Chicago Heights, $34,046. Noted March 16.

Wisconsin—State Hy. Comn., Madison, Dodgeville-Mineral Point Rd., Project 180, Iowa Co., to Jones & Hughes, Dodgeville, 14,127 cu. yd. earth excav. $0.62, 2,025 cu. yd. loose rock $1.20, 1,800 cu. yd. solid rock $2.40, 249 cu. yd. borrow $1, etc., total $23,259. Noted March 23.

Wisconsin—State Hy. Comn., Madison, to Wileman & Lipke, Edgerton, 1.5 mi. Morrisonville-County Line Rd., 4,941 cu.yd. earth excav. $0.45, 2,000 cu.yd. gravel surfacing $1.40, etc., total $9,372; 4.25 mi. Waterloo-Columbus Rd., 14,245 cu.yd. earth excav. $0.45, 5,400 cu.yd. gravel surfacing $1.70, etc., total $20,068.

Wis., De Pere—Paving 1.5 mi. Birch, Main, Grant and James Sts., 40,000 sq.yd. 1 course rein.-con., 18,341 lin.ft. combined concrete curb and gutter, to Brogan & Schafer, 700 Dousman St., Green Bay, $80,300. Noted March 16.

Wis., Elkhorn — Walworth Co. concrete surfacing Delevan-Elkhorn Rd. to G. Welch, 206 Water St., Beloit, $57,650; Whitewater-Richmond Rd., to Greunke Bros., Appleton, $91,428. Noted March 9.

Wis., Jefferson—Concrete paving various streets, to Gund Graham Co., Crum & Foster Bldg., Freeport, Ill., $37,037. Noted March 30.

Wis., Juneau—Dodge Co., Hustisford-Juneau Rd., to Milwaukee Genl. Constr. Co., 857—8th Ave., Milwaukee, 59,089 sq.yd. concrete surfacing without joints, $0.45, etc., total $37,632; Watertown-Lebanon Rd., to C. F. Wussow, 732-15th St., Milwaukee, 29,556 cu.yd. earth excav. $0.485, etc., total $21,330; Waupun-Beaver Dam Rd., Appropriation 258, to Kramp Constr. Co., Berlin, 15,531 cu.yd. unclassified excav. $0.85, 47,079 sq.yd. 18 ft. concrete without joints, $1.28, etc., total $82,995. Noted Dec. 8.

Streets and Roads (Continued)

Wis., Oshkosh—Bd. Pub. Wks. paving streets, to J. Rasmussen & Sons Co., foot of 7th St., 25,000 sq.yd. sheet asphalt, $2.95 per sq.yd.; 600 sq.yd. concrete to C. Johnson, 75 Main St., $2.89 sq.yd.

Wis., Racine—Racine Co., Windlake Rd., State Trunk Highway 36, to L. L. Tindall, Waterford, 23,883 cu.yd. earth excav., $0.83, 71,600 sq.yd. concrete surfacing $1.215, etc., total $122,814. Noted March 30.

Wis., Seymour—Rein.-con. paving various streets, to Schaefer-Thompson Constr. Co., Marshfield, $28,396. Noted March 23.

Wis., Shawano—Rein.-con. paving various streets, to C. Johnson, 75 Main St., Oshkosh, $65,791. Noted Feb. 23.

Wis., Sheboygan Falls—Paving 2.5 mi. Pine Mill, York and Short Sts., 27,910 sq. yd. 2 course rein.-con., 21,100 lin.ft. concrete curb and 21,100 lin.ft. concrete gutter, to R. L. Reisinger Co., 464 Oakland Ave., Milwaukee, $106,900. Noted March 23.

Wis., South Milwaukee—Bd. Pub. Wks. concrete paving Lake Ave. from College to Hawthorne Aves., to Kroening Constr. Co., 221 Grand Ave., Milwaukee, $51,930. Noted April 6.

Wis., Waukesha—Waukesha Co. concrete surfacing Waukesha-Wales Rd., to J. R. Griffith, 526 Wisconsin Ave., Racine, $148,291; Templeton-Merton Rd., to M. Martin Constr. Co., Berlin, $76,548. Noted March 23.

Wis., West Bend—Paving 1.2 mi. Wisconsin, Oak, Hickory and Maple Sts., 11,568 sq.yd. concrete, 30,777 lin.ft. concrete curb, 30,777 lin.ft. concrete gutter to F. Schultz, West Bend, paving $1.93, curbing and guttering $0.65. Noted March 23.

Wis., Wisconsin Rapids—Wood Co., Wisconsin Rapids - Pittsville - Neillsville Rd., Appropriation 251, to Niehaus & Stahl, Greenleaf, 11,797 cu.yd. earth excav. and borrow, $0.78, 51,231 sq.yd. concrete surfacing $0.73, etc., total $52,476; Marshfield-Pittsville-Babcock Rd., Appropriation 297, to Ule Paving Co., Stevens Point, 14,611 cu.yd. earth excav., $0.85, 50,584 sq.yd. concrete surfacing $0.90, total $63,780; Rudolph-Wisconsin Rapids Rd., Appropriation 252, 8,677 cu.yd. earth excav., $0.90, 31,599 sq.yd. concrete surfacing $1.48, etc. total $58,360. Noted March 30.

Minn., Crookston—Polk Co., 7 mi. Job 2101 and 7.5 mi. Job 2102, to Enebak Bros. & Anderson, Warren, $12,406 and $13,075 respectively; 15 mi. Job 2105, to S. G. Enebak, Warren, $32,276. Noted Nov. 24.

Minn., Fergus Falls—Otter Tail Co., 8.9 mi. Job 2201, 11.6 mi. Job 2202, 8.4 mi. Job 2203 and 4.5 mi. Job 2204 excav. to Nolan Constr. Co., 609 Kasota Bldg., Minneapolis, $0.18, $0.23, $0.23 and $0.25 per cu.yd. respectively. Noted Mar. 2.

Minn., Mantorville—Dodge Co., 2.7 mi. Job 2201, to H. T. Garbisch, Austin, $11,861; 7.7 mi. Job 2202, to White, Brown & Leahy Co., Great Falls, Mont., $25,109; 1.1 mi. Job 2203 and Bridge 3748, to Thursdale, Mitchell & Co., Zumbrota, $17,770 and $12,867 respectively. Noted March 16.

Minn., Willmar—Paving 75,000 sq.yd. various streets, to J. C. McKusick, Atwater, 2.03 per sq.yd. for gravel concrete, (exclusive of grading). Noted March 23.

Kan., Atchinson—Atchinson Co., 13.113 mi. earth road (preparatory to hard surfacing), Sects. A and B, Federal Aid Project 83, to L. O. Hales, 1230 College St., Topeka, $29,931. Noted March 9.

Kan., Leavenworth—Leavenworth Co. concrete paving 4.024 mi. Sect. B, Federal Aid Project 52, to J. Stanton & Son, Leavenworth, $114,459. Noted March 2.

Kan., Mound City—Linn Co., grading 7.244 mi. K. C. Short Line, Federal Aid Project 109-A, to Davidson Constr. Co., 2958 East 30th St., Kansas City, Mo., $58,989. Noted March 9.

Kan., Topeka—Shawnee Co. Paving 2.506 mi. Elmont Spur, 18 ft., concrete, to List & Hallett, 405 Ry. Exch. Bldg., Kansas City, Mo., $69,309; 5.559 mi. Capitol Highway, Sect. B and portion Sect. A, 18 ft., concrete, to Stewart & Ritchie, Wichita, $154,813. Noted March 16.

Mont., Great Falls—Paving 2nd Ave. from 19th to 26th Sts., et al., warrenite bitulithic on compressed stone, to S. Birch & Sons Constr. Co., 314 Ford Bldg., $41,136; cement sidewalks, to Fagenstrom Bros., 10 7th St., S., $8,349. Noted March 23.

Ark., Pine Bluff—Paving and sewers to Kelliher Constr. Co., Little Rock, 10,200 cu.yd. excav., $0.40, 34,083 sq.yd. 6 in. concrete pavement 1-2-3 mix, $1.91, 3,320 ft. 12 in. storm sewer, $0.94, 20,819 cu.yd. 12 in. curb and 18 in. gutter, $0.56, 114 cu.yd. concrete, $15, 1,316 ft. 15 in., $1.34, 1,949 ft. 18 in. $1.75, 761 ft. 21 in. $2.55; total $94,381.

N. M., Albuquerque—Paving and curbing various streets, to New Mexico Constr. Co., Albuquerque, $126,238. Noted Feb. 23.

Arizona—State Hy. Dept., Phoenix, grading, surfacing and building structures, 4.4737 mi. Prescott-Jerome Highway, Project 36, Schedules 1, 2, 3 and 4, to Morgan Ford & Co., 219 O'Neil Bldg., Phoenix, 15,871 cu.yd. excav. $0.625 per cu.yd., 654 cu.yd. $0.92, 6,931 cu.yd. borrow $0.32, 8,348 cu.yd. surfacing $0.52, 408 cu.yd. Class A and 89 cu.yd. Class B concrete $13.50, 8,348 cu.yd. overhaul, (100 ft.) 5,000 ft. average haul $0.015, etc. $36,848. State furnished material, $5,218, 10% engineering and contingencies, $4,216, total $46,382.

Washington—State Hy. Dept., Olympia, 3 mi. Inland Empire Highway, Dartford to Half Moon Prairie, Spokane Co., 16,030 cu.yd. common and 1,450 cu.yd. solid rock excav., 42,319 lin.ft. finished shoulders and ditch, 86,070 sq.yd. cement concrete paving, 6,132 lin.ft. standard concrete curb, to C. M. Payne, E. 127 Mission St., Spokane, $109,084; 4 mi. Inland Highway, Half Moon Prairie to Denison, Spokane Co., 16,030 cu. yd. common and 1,450 cu.yd. solid rock excav., 12,680 cu.yd. overhaul, 42,319 lin.ft. finished shoulders and ditch, 86,070 sq.yd. cement concrete paving, 6,132 lin.ft. standard concrete gutter, etc., to Miracle Constr. Co., Spokane, $101,477; 5.38 mi. Olympic Highway, Kamilche to Mill Creek, Mason Co., 6,470 cu.yd. common excav., 28,433 lin.ft. finished shoulders and ditch, 57,889 sq.yd. cement concrete paving, 10,391 lin.ft. concrete gutter, etc., to J. Warter, Tacoma, $143,616; 4.02 mi. Olympic Highway, from Montesano to Brady, Grays Harbor Co., 12,930 cu.yd. common excav., 20,400 lin.ft. finished shoulders and ditch, 45,318 sq.yd. concrete paving, etc., to Grays Harbor Constr. Co., Hoquiam, $110,928; 4.73 mi. Ocean Beach Highway, Chehalis to Adna, Lewis Co., 7,190 cu.yd. common excav., 23,671 lin. ft. finished shoulders and ditch, 47,892 sq.yd. cement concrete paving, 9 and 18 ft., to J. C. Hendricks, Centralia, $140,253; 1 mi. Pacific Highway, vicinity of Kalama, Cowlitz Co., 15,770 cu.yd. solid rock, 8,000 cu.yd. overhaul, 2,500 cu.yd. gravel surfacing, 2,850 cu.yd. steel reinforcing bars, etc., to Hill Constr. Co., Portland, Ore., $24,536; .10 mi. Pacific Highway, Kelso to Kalama, Cowlitz Co., 15,080 cu.yd. common, 4,840 cu.yd. loose rock and 9,400 cu.yd. solid rock excav., 225,600 cu.yd. overhaul, 6,000 lb. structural steel, 4,500 ft. timber piling, 37,200 cu.yd. reinforcing bars, etc., to Pacific Bridge Co., foot of East Salmon St., Portland, Ore., $53,537.

Industrial Works

PROPOSED WORK

N. H., Portsmouth—Boston & Maine R.R., North Station, Boston, plans to rebuild engine and round house, 1 story, at freight yards, here. $60,000. Private plans. A. B. Corthell, Boston, ch. engr.

Mass., Clinton—Bigelow—Hartford Carpet Co., 58 Main St., Thompsonville, Conn., preparing plans for 1 story, brick and steel dye house, club house and cafeteria, here. Private plans.

Mass., Springfield—Springfield Blower Co., 89 Morris St., plans 1 and 2 story, brick and steel plant, Ashley St. Architect not selected.

N. Y., Albany—W. Higgonson, archt., 18 East 41st St., New York, soon takes bids 4 story, 100 x 200 ft., rein.-con. and steel storehouse, Tivola St., here, for Albany Terminal Warehouse Co. $250,000.

N. Y., Buffalo—E. T. Danahy, 602 Babcock St., plans brick garage, packing plant and office building. $46,000.

N. Y., Lackawanna (Buffalo P. O.)—W. J. Lohr, 311 Ridge Ave., plans 25 ton ice plant, Lehigh Ave. $62,000.

N. Y., Little Falls—Barnet Leather Co., 81 Fulton St., New York, soon lets contract brick and concrete factory, plain foundation, here. $100,000. Thompson & Binger, 280 Madison Ave., New York, archts. and engrs.

N. Y., New York—Prudential Iron Co., 633 Concord Ave., plans brick, steel and concrete plant and office building, plain foundation, 140th St. adjoining New York, New Haven & Hartford R.R. tracks. $150,000. Architect and engineer not selected.

N. Y., Rochester—B. G. Costich, 251 Hayward Ave., plans 50 x 146 ft. concrete garage, 36 ft. high. $40,000.

N. Y., Rochester—Odenbach Co. having surveys made power plant, Stone and Downs Sts.

N. Y., Rochester—Rochester Printing Co. plans addition to plant, 59-63 Main St. $50,000.

Pa., Kane—McKean Chemical Co., Dahoga, plans 2 story, 80 x 250 ft. concrete, brick and steel plant, here. $80,000. N. B. Bubb, Williamsport, secy., treas. and mgr.

Va., Hopewell—Hopewell Ice & Cold Storage Co. having preliminary plans prepared 1 story, 25 x 100 ft., ice plant. $40,000 to $50,000. W. C. Ellis, mgr. Engineer not selected.

Fla., Orlando—Orlando Water & Light Co. plans to increase daily capacity of gas plant from 300,000 to 1,000,000 ft.; will install tanks and generating equipment. $75,000.

Fla., Tampa—Plan to vote on $125,000 bonds constructing 75 x 750 ft., structural steel warehouse, with railroad tracks, freight handling machinery, electric trucks, etc. R. D. Martin, city engr.

Tenn., Nashville—Union Ice Cream Co., 817 Broad St., having plans prepared by Marr & Holman, archts., Stahlman Bldg., 3 story, brick and rein-con., factory, 12th and Broad Sts., $200,000.

O., Cleveland—F. W. Ball, archt., Hanna Bldg., preparing plans for factory, East 105th St. $100,000. Owner's name withheld.

O., Willoughby—L. Martin & Sons, Curtland, plan 1 story, 65 x 82 ft., brick and steel garage, plain foundation; here. $40,000. Private plans.

Ill., Chicago—J. B. Inderrieden & Co., 336 River St., plans 6 story, 152 x 200 ft. warehouse, rein.-con., brick and steel, Erie and Roberts Sts. $400,000. Architect not selected.

Ill., Clinton—Puritan Products Co. plans 2 story, 66 x 132 ft. dairy and creamery, brick, stone and rein.-con. $50,000. G. W. Hughes, pres. Architect not selected.

Wis., Beloit—J. T. Hetherington & Sons, archts., 38 South Dearborn St., Chicago, soon take bids 2 story, 100 x 130 ft. factory, rein.-con., brick and steel, Broad St., for J. H. Saris, 412 Broad St. $75,000.

Wis., Madison—Wisconsin Power, Heat & Light Co., Gay Bldg., plans 2 story power house addition, rein.-con. and steel, plain foundation. $300,000. Architect not selected.

Wis., Milwaukee—C. Tharinger, archt., 3328 State St., having preliminary plans prepared 6 story, 50 x 120 ft., brick and timber warehouse, East Water St. $130,000. Owner's name withheld.

Wis., Milwaukee—W. J. Raley, 711 Chestnut St., having plans prepared 2 story, 30 x 150 ft., concrete garage, plain foundation, Chestnut St. $40,000. Private plans.

Wis., Oshkosh—See "Buildings."

Ia., Maquoketa—Town to vote on $70,000 bonds April 26, for extension to electric light system.

Mo., St. Louis—Saxony Mills Power Plant, 4th and Lombard Sts., having plans prepared improving power plant incl. equipment. $40,000. D. Larkin, pres. Larkin Eng. Co., 424 North 3rd St., consult. engr.

Cal., Oakland—Universal Products Co., Thayer Bldg., had sketches made by F. H. Herswill, archt., Thayer Bldg., brick or concrete factory. $100,000.

Cal., Sacramento—Breuner Co., 604 K St., having plans prepared by J and C. Dean, archts., City Library Bldg., 5 story, mill construction warehouse, L St. between 6th and 7th Sts. $150,000.

Cal., Sacramento—Crane Co., Front and M Sts., having plans prepared by Woollett & Lamb, archts., Hagelstein Bldg., 3 story, 85 x 150 ft., plumbing house, rein.-con. and brick, Front and M Sts. $150,000.

Cal., San Francisco—Southern Pacific Co., S. P. Bldg. and Pacific Fruit Co., 65 Market St., having plans prepared ice manufacturing and loading plant, Bakersfield St. $400,000. W. C. Phillips Co., 311 California St., engr.

Ont., St. Thomas—St. Thomas Packing Co., Pork Gravel Rd., preparing plans cold storage plant. $50,000. Prices wanted on all materials and equipment. W. H. Moody, mgr.

Ontario—Pure Gasoline Co., 362 Dundas St., London, plans 15 complete gasoline stations in western part of province. $150,000. Prices wanted on brick and gasoline and lubrication equipment.

Industrial Works (Continued)

BIDS DESIRED

Pa., Chester—W. E. Headly receiving bids 5 story, 100 x 126 ft. rein.-con. and steel warehouse, plain foundation. $500,000. C. Wunder, 1415 Locust St., Phila., archt.

Pa., Phila.—V. B. Lee, archt., 1003 Spruce St., receiving bids 5 story, rein.-con. and brick warehouse and office, plain foundation, 232 Arch St., for Berger Bros., 1005 Spruce St., $150,000.

Pa., Phila.—W. L. Charr, archt., 149 South 4th St., receiving bids 1 story, 70 x 150 ft. brick and steel garage, plain foundation, Frankford and Clementine Aves., for A. Salot, 3133 Frankford Ave. $80,000.

Pa., Phila.—May 1, by P. W. Pollock, archt., 1802 Chestnut St., 2 story, 46 x 52 ft. rein.-con., brick and steel sales and service building, plain foundation, 1155-1157 South Broad St., for J. A. Cunningham, 1155-1157 South Broad St. $80,000.

Pa., Phoenixville—Weiland Packing Co., 551 West Bridge St., receiving bids 3 story, 53 x 62 ft. rein.-con. factory, plain foundation. $60,000. T. A. Stoutenberg, 1509 Champlost Ave., Phila., engr.

Ga., Thomasville—April 24, by city, building power plant. C. F. Galliher, 1st Natl. Bank Bldg., Montgomery, Ala., archt.; adv .this issue.

O., Kenmore—Palmer Match Co., Akron, taking bids (1st unit) 2 story, 82 x 225 ft. factory, mill construction, here. $50,000. Private plans. Noted July 28.

Ill., Highland Park—Holmes & Flinn, archts., 8 South Dearborn St., Chicago, receiving bids 1 story, 50 x 140 ft. garage and repair shop, rein.-con., brick and steel, Laurel and 1st Sts., for G. H. Koon, 47 South St. John St. $40,000.

Ill., Joliet—April 21, by Reo Joliet Sales and Service Co., 121 South Bluff St., 1 story, 50 x 124 ft. garage, brick, tile and stone. $42,000. Private plans.

Wis., Manitowoc—April 29, by Hamacheck-Bleser Co., (owner), 11th and Franklin Sts. and Smith & Reynolds, archts., Dempsey Bldg., 1 story, 50 x 139 ft., brick, rein.-con. and steel, garage and repair shop, plain foundation. $50,000.

Wis., St. Francis (Milwaukee P. O.)—R. H. Pinkley, engr., c/o Milwaukee Electric Ry. & Light Co., (owner). 2nd and Sycamore Sts., Milwaukee, receiving bids 1 story, 50 x 60 ft. and 60 x 70 ft. brick and concrete additions to switch house and turbine room, plain foundations.

Ont., Niagara Falls—Hydro Electric System of Niagara Falls receiving bids 2 story, 45 x 110 ft. concrete, brick and steel transformer station, South St. and Victoria Ave. $125,000. C. M. Borter, 102 Main St., archt.

CONTRACTS AWARDED

Mass., Charlestown (Boston P. O.)—D. J. Kane, 73 Tremont St., 2 story, 103 x 120 ft., rein.-con. addition to garage, Warren St., to F. J. Van Etten Co., 80 Boylston St., Boston, $60,000.

Mass., Lawrence—Walworth Bros., Inc., Merrimack St., 3 story, 50 x 130 ft., mill construction addition to plant, to J. S. Searle, 62 Dartmouth St. $60,000.

Mass., Southboro—Dennison Mfg. Co., Framingham, 4 story, 68 x 290 ft., rein.-con., brick and steel plant, to Aberthaw Constr. Co., 27 School St., Boston, $400,000. Noted March 16.

Mass., Springfield—U. S. Spring Bed Co., 228 Birnie Ave., 1 and 2 story, 70 x 100 ft. and 50 x 100 ft. mill constructed additions to plant, to A. G. Chapman, 655 Worthington St. $40,000.

Mass., Whitinsville—Whitin Machine Wks., 3 and 4 story factory, 2 story garage and fire station, also gymnasium, to Aberthaw Constr. Co., West End Trust Bldg., Boston, $500,000. Noted March 16.

Conn., Stamford—Victor-Page Motor Corp., Farmingtondale, N. Y., 1 story, 60 x 200 ft., steel and brick factory, plain foundation, Melrose Ave., here, to Truscon Steel Co., Albert St., Youngstown, O. $40,000.

N. Y., Albany—Oneida County Creameries Co., Inc., Paul Bldg., Utica, milk plant, Tivoli St., here, to Sheehan Constr. Co., 28-30 DeWitt St., Albany, $40,000.

N. Y., New York—Bd. Health, 505 Pearl St., general contract altering and building complete heating plant, on grounds of Willard Parker Hospital, foot of East 16th St., to Triest Constr. Co., 126 East 59th St., $124,929; boiler and steam work, to Shevlin Eng. Co., 110 West 34th St., $58,981. Noted March 23.

N. J., Trenton—Crescent Insulated Wire & Cable Co., 2 story, 75 x 240 ft. and 3 story, 60 x 120 ft. factory, Taylor St., to Karno-Smith Co., Broad St. Bank, $50,000.

D. C., Wash.—T. M. Medford, archt., 1631 3rd St., N. W., garage to W. P. Lipscomb Co., Dist. Natl. Bank Bldg., for W. W. Biggs, 1310 14th St., N. W., $85,000. Noted April 6.

O., Cleveland—Hough Ave. Home Bakery, 8708 Hough Ave., 1 story, 51 x 114 ft., brick and steel bakery and commercial building, plain foundation, to A. G. Emms, 3104 Coleridge Rd., Cleveland Heights, $40,000.

Ill., Dixon—E. R. Watts, for 1 story, 54 x 150 ft. garage, brick and rein.-con., to H. Wheeler, 915 3rd St. Noted March 30.

Wis., Cudahy—Ackerman Oil Co., 221 Grand Ave., Milwaukee, 2 and 1 story, 40 x 60 ft. and 12 x 20 ft., warehouse and filling station, brick and timber, plain foundation, here, to F. Luenzmann Co., 31st St. and Aver Ave., Milwaukee, $40,000.

Wis., Franksville—Frank Pure Food Co., 288 East Water St., Milwaukee, 2 story, 50 x 82 ft. can storage plant, brick and concrete, plain foundation, here, to H. Danischefsky, 1484 Humboldt Ave., Milwaukee. $40,000.

Wis., Madison—Pennsylvania Oil Co., 736 Washington St., 2 story, 50 x 95 ft., brick, rein.-con. and tile, garage and filling station, plain foundation, Park St., to Klug & Smith, 69 Wisconsin St., Milwaukee, $45,000.

Wis., Milwaukee—R. Tubesing, 852 6th St., 2 story, 32 x 120 ft., brick and concrete garage, plain foundation, Fond du Lac Ave., to W. F. Tubesing Co., 139 Chestnut St., Wauwatosa. $40,000.

Wis., Park Falls—Flambeau Paper Co., 75 x 110 ft., brick, rein.-con. and steel paper mill, plain foundation, to C. R. Meyer & Sons, 50 State St., Oshkosh. Noted March 30.

Wis., Stevens Point—Pfiffer Lumber Co., 229 Franklin St., will build 2 story, 60 x 100 ft., brick, rein.-con. and tile planing mill, plain foundation, Franklin St., by day labor. $48,000. F. J. Spolenka, 426 Normal Ave., archt.

Cal., Oakland—C. A. Hancock 1 story, rein.-con. garage, 23rd and Valdez Sts., to H. J. Christensen, Federal Bldg., $40,000.

Cal., San Jose—N. Kooser, 446 South 2nd St., 2 story, brick garage, River and Santa Clara Sts., to A. Compton, 547 North 17th St., $40,000. Hayes & Canelo, c/o C. S. McKenzie, archt., Bank of San Jose Bldg., lessees.

Ont., Galt—Riverside Silk Mills, 3 story, 50 x 100 ft. concrete and brick addition to factory, stone foundation, River St., to C. McInnes, Galt. $100,000.

Buildings

PROPOSED WORK

Mass., Clinton—See "Industrial Works."

Mass., Lawrence—Club—Knights of Columbus, 149 Haverhill St., having plans prepared by J. Broadhurst, archt., 162 Franklin St., 4 story, brick and steel, Haverhill and Oak Sts. $250,000. J. H. Hyland, chn. com.

Mass., Wakefield—Housing—Harvard Knitting Mills plan forty 2 story houses for employees, Jorden Ave. $200,000. Architect not announced.

Conn., New Britain—Ward—New Britain General Hospital, Grand St., having plans prepared by E. F. Stevens, archt., 9 Park St., Boston, 3 story, brick, Grand St. $300,000.

N. Y., Batavia—High School—Voted $450,000 bonds for new High School. R. F. Clark, city engr. E. E. Joralemon, 482 Delaware Ave., Buffalo, archt. Noted March 23.

N. Y., Binghamton—Office and Business—Binghamton Bd. Real Estate plans office and business building. To exceed $150,000. Address V. K. Soule, O'Neil Bldg. Architect not selected.

N. Y., Cornwall-on-Hudson—School—Bd. Educ. having sketches made by Tooker & Marsh, archts., 101 Park Ave., New York, brick and stone, plain foundation. $150,000. Private engineer.

N. Y., New York—Office—See "Industrial Works."

N. Y., New York—School—Bd. Educ., 500 Park Ave., plans P. S. 47, brick, steel and stone, plain foundation, 223 East 23rd St. $750,000. C. B. J. Snyder, Municipal Bldg., archt. and engr.

N. Y., New York—Synagogue—E. L. Roth, archt. and engr., 119 West 40th St. soon takes bids 2 story, brick and stone, plain foundation, Valentine Ave. $200,000. Owners name withheld.

N. Y., New York—Theatre and Studios—S. Dem Building Co., c/o McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., having plans prepared 12 story, 40 x 92 x 200 ft., brick, steel and stone, plain foundation, West 56th St. $1,200,000.

N. Y., Olean—School—Voted $630,000 bonds for new school. Noted April 6.

N. Y., Phelps—School—May 3, to vote on $160,000 bonds for addition to present school. Address J. H. Bailey, pres.

N. Y., Watertown—Office and Theatre—F. A. Empsall, 126 Flower Ave. and C. Sesonske of Nova Operating Co., plan 3 or 4 story, brick, concrete and steel, Public Sq. $250,000-$300,000. Address C. A. Phelps, Bank Bldg.

N. J., East Orange—Church—Sandford St. Methodist Church having sketches made by Coffin & Coffin, archts. and engrs., 522 5th Ave., New York, brick and stone, plain foundation, Sandford St. and Central Ave. $200,000. F. G. Willey, pastor.

N. J., Newark—Apartment—W. Okin, c/o F. Grad, archt. and engr., 245 Springfield Ave., having sketches made 4 story, 75 x 100 ft., brick, steel and stone, plain foundation, Court St. $150,000.

Pa., Erie—Office—Hayes Estate plans 6 story, 50 x 165 ft., East 10th St. Cost to exceed $250,000.

Pa., Phila.—Office—Heyman Bros., c/o L. B. Rothchild, archt., 1217 Sansom St., soon takes bids 15 story, 42 x 150 ft., 16th and Walnut Sts. $2,000,000.

Va., Norfolk—Church—Cumberland Street Methodist Church, Cumberland and Freemason Sts., receiving competitive sketches for church. E. L. Bain, pastor.

Va., Norfolk—Church and Sunday School—Park Place Baptist Church, 31st St. and Colonial Ave., receiving competitive sketches for church, auditorium and Sunday school. $250,000. W. T. Gregory, Law Bldg., chn.

N. C., Chapel Hill—Church and Sunday School—Chapel Hill Methodist Church having plans prepared by J. G. Rogers, archt., 367 Lexington Ave., New York, brick and stone. Cost between $150,000 and $175,000.

N. C., Durham—Hospital—City having plans prepared by Milburn, Heister & Co., archts., Union Savings Bank Bldg., Wash., D. C., and Durham, for hospital. $150,000.

N. C., Raleigh—Schools—Voted $1,000,000 bonds constructing high school and two grammar schools. T. B. Eldridge, mayor. Noted March 9.

Ga., Macon—Court House and Jail—Bibb Co. rejected bids opened April 4, 3 story, 103 x 178 ft., granite brick and tile. $400,000. Will readvertise. C. R. Ellis and J. J. Behr, Ellis Bldg., associated archts. Noted March 30.

Fla., Plant City—Hotel—C. T. Young and others plan 5 story, 100 x 150 ft., rein.-con., brick and steel, Reynolds and Evers Sts. $150,000.

O., Cleveland—Apartments—Walber Realty Co., c/o J. M. Dyer, archt., Ullmer Bldg., having plans prepared two 4 story, brick and steel, plain foundations, East 85th St. near Euclid Ave. $200,000.

O., Cleveland—Bank and Office—Cleveland Trust Co., East 9th St. and Euclid Ave., having plans prepared by A. G. Hall, archt., 734 Williamson Bldg., 2 story, 65 x 150 ft., brick and concrete, plain foundation, East 55th St. and Woodland Ave. $150,000.

O., Cleveland—Commercial and Apartment—H. Bialosky, c/o H. Block, East 105th St. and Euclid Ave., had plans prepared by J. L. Cameron, archt., 10406 Euclid Ave., 3 story, 60 x 110 ft., brick and steel, plain foundation. $200,000.

O., Cleveland—Office and Commissary—Clark Restaurant Co., 1954 East 6th St., having plans prepared by J. Gray, archt., 1685 High St., Boston, 3 story, brick and steel, plain foundation, East 23rd St. south of Payne Ave. $150,000.

O., Dayton—High School—Bd. Educ. having plans prepared by Schenk & Williams, archts., Mutual Home Bldg., 2 story, 60 x 300 ft., brick and rein.-con., plain foundation, West 3rd St. $1,500,000.

Mich., Detroit—Mercantile—M. R. Weber, c/o L. Kamper, archt., 3729 Cass Ave.,

Buildings (Continued)

having plans prepared for 5 story, 60 x 110 ft. rein.-con., brick, steel and stone, plain foundation. Gratiot Ave. and Russell St. $150,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., rejected bids opened March 17, and is having revised plans prepared by Malcomson, Higginbotham & Palmer, archt., 405 Moffat Bldg., 2 story, 14 room, rein.-con., brick and steel, plain foundation, Nevada Ave. $200,000. Noted March 9.

Mich., Imlay City — School — Bd. Educ. having plans prepared by W. S. Holmes Co., archts., Tussing Bldg., Lansing, 2 story, 120 x 150 concrete, brick and steel, plain foundation. $150,000.

Mich., Wyandotte — Hotel — Wyandotte Hotel Co. having plans prepared by Kohner & Seeler, archts., 1402 Kresge Bldg., Detroit, 4 story, rein.-con., brick and steel, plain foundation, Public Park. $200,000.

Ill., Chicago—Apartment—J. A. Nyden, archt., 190 North State St., preparing plans and soon receives bids 7 story, 92 x 127 ft., rein.-con., brick and steel, Pine Grove and Oakdale Aves., for F. A. Anderson, c/o architect, $500,000.

Ill., Chicago—Apartment—I. Whiteson, c/o T. Bishop, archt., 35 South Dearborn St., having plans prepared two 3 story, 125 x 200 ft., rein.-con., brick and steel, George St. and Mildred Ave., $300,000.

Ill., Chicago—Office—I. Jordan, c/o J. Armstrong, archt., 127 North Dearborn St., having plans prepared 11 story, 80 x 101 ft., Washington and Franklin Sts., $750,000.

Ill., Chicago—Office—Mundie & Jensen, archts., 39 South La Salle St., revising plans and soon receive bids 6 story, 150 x 160 ft., rein.-con., brick and steel, 41st St. and Michigan Ave., for La Salle Extension University, 4046 South Michigan Blvd., $500,000. Noted Nov. 3.

Ill., Chicago — Store and Office — Dubin & Eisenberg, archts., 14 West Washington St., preparing plans and soon receive bids 3 story, 93 x 122 ft., rein.-con., brick and steel, Granville Ave. and Bway., for J. E. Edmunds, c/o Broadway Realty Co., 5038 Bway., $150,000. Noted March 9.

Ill., Chicago—Theatre, Store and Office—C. A. Johnson, 3121 Milwaukee Ave., having plans prepared by Levy & Klein, archts., 111 West Washington St., 3 story, rein.-con., brick and steel, Milwaukee and Belmont Aves. $400,000.

Ill., Harrisburg—Bank and Office—First Trust and Savings Bank having plans prepared by T. P. Barnett Co., archts., Arcade Bldg., St. Louis, Mo., 6 story, rein.-con., brick, steel and stone. $200,000. J. V. Capel, pres.

Wis., Mazomaine — High School — Bd. Educ. c/o F. W. Ellsworth, clk., having plans prepared by Balch & Lippert, archts., Gay Bldg., Madison, 2 story, 69 x 105 ft., brick, rein.-con. and tile, plain foundation. $150,000. Noted March 30.

Wis., Oshkosh — Convent, etc. — Mercy Hospital, 185 Hazel St., had revised plans prepared by E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, 3 story 42 x 100 ft. convent, and 2 story, 40 x 70 ft., boiler house and laundry, brick and concrete, plain foundations, Hazel St. $175,000.

Wis., Racine—Hotel—Fugard & Knapp, archts., 212 East Superior St., soon take bids 12 story, 104 x 120 ft., for Racine Hotel Corp., c/o Kirow & Fowler, 534 Main St. $750,000.

Wis., Wausau — Clubhouse — Wausau Lodge 248, having plans prepared by Oppenhamer & Obel, archts., Spencer Bldg., 3 story, 64 x 110 ft., brick, rein.-con. and steel, plain foundation, 5th and Scott Sts. $150,000.

Minn., Carlton—Court House—Carlton Co. plans 3 story, 100 x 195 ft. rein.-con. and stone. $150,000. Architect not selected.

Kan., Leavenworth—Hotel—Chamber of Commerce having plans prepared by Shephard & Wisner, archts., 301 R. A. Long Bldg., Kansas City, Mo., 4 story, 48 x 175 ft., brick. $320,000.

Neb., Lincoln — Church — Tabernacle Christian Congregation, c/o A. J. Hollingsworth, pastor, 1828 P St., having plans prepared by A. W. Woods, archt., 9 Orpheum Bldg., 1 story, 71 x 78 ft., brick and timber, 22nd and South Sts. $150,000.

Wyo., Laramie — Community — Albany County Post 14, American Legion, plans community house, here. $150,000-$200,000. Architect not selected.

Tex., Austin—Church—First Methodist Church, 200 East 10th St., had plans prepared by Sanguinett & Staats, archts., 1st Natl. Bank Bldg., Ft. Worth and R. L. Thomas, associated archt., Littlefield Bldg., 4 story, 99 x 128 ft., rein.-con. and terra cotta, Lavaca and 12th Sts. $200,000.

Tex., Houston—Hospital—City and Harris Co. plan hospital. City election April 29 to vote on $100,000 bonds (its share of cost). Total cost $200,000. O. F. Holcombe, mayor.

Utah, Salt Lake City—School—Salt Lake School Bd., City Hall, plans 3 story, 100 x 180 ft., rein.-con. and brick, State and North Temple Sts. $187,000. R. J. Ashton, Vermont Bldg., archt.

Cal., San Francisco — Club — Union League Club, 111 Ellis St., having preliminary plans prepared by T. P. Ross, archts., 310 California St., 7 story. Post St. $250,000.

Cal., San Francisco—Hotel—J. K. Prior Estate, c/o K. MacDonald, archt., 234 Pine St., having plans prepared completing 6 story, brick, Eddy and Mason Sts., $160,000.

Cal., San Francisco—Store, Office and Theatre—A. F. Rousseau, 110 Sutter St., having plans prepared by D. C. Coleman, archt., 110 Sutter St., ten 4 and 6 story, brick and concrete buildings, Market, 8th and Mission Sts.

Cal., Santa Barbara—High School—Voted $450,000 bonds for new high school.

Cal., Stockton—Business—L. A. Mills, Commercial and Savings Bank Bldg., and other business man, having sketches made by G. Allen, J. M. Burke, archts., Hotel Clark, 2 story, 100 x 300 ft. $200,000.

Que., Montreal—Office—Sun Life Insurance Co., Dominino Sq., opens bids about May 1, concrete and stone, Mansfield and Dorchester Sts. $500,000. Darling & Pearson, 2 Leader Lane, Toronto, Ont., archts.

Ont., St. Thomas — School — Bd. Educ. plans technical school. $300,000. Prices wanted on all materials and equipment. R. J. Newton, secy. Noted Dec. 1.

BIDS DESIRED

Mass., Pittsfield—Bank—Berkshire Loan & Trust Co., receiving bids and opens same about April 25, 1 story, brick, stone and marble, plain foundation. $175,000. Holmes & Winslow, 134 East 44th St., New York, engrs. and archts.

Conn., New Britain—School—April 25 by Bd. Educ., 3 story, brick and steel, plain foundation, Washington St. $367,000. D. K. Perry, 27 West Main St., archt. Noted Dec. 15.

N. Y., Amsterdam—School—April 25, by Bd. Educ., 2 story, brick. $250,000. H. F. Daly, Amsterdam, archt.; adv. this issue.

N. Y., Brooklyn—Hospital—May 3, by State Hospital Comn., Albany, 4 story, 67 x 192 ft. administration and staff buildings, rein.-con., brick concrete foundation, at State Hospital, here. $300,000. L. F. Pilcher, Albany, state archt. Noted March 16.

N. Y., New York—Apartment—Ferncliff Building Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, brick, steel and stone, plain foundation, West 183rd St. $250,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Bank—Northside Savings Bank, 3230 3rd Ave., taking bids and opens same about April 25, 1 story, brick, stone and marble addition, plain foundation. $175,000. Holmes & Winslow, 134 East 44th St., archs. and engrs. Noted March 2.

N. Y., Niagara Falls—City Hall—April 25, new city hall and municipal building. $350,000. White & La Chance, and C. Obenhack, Niagara Falls, archts.

N. Y., Ridgewood (Brooklyn, P. O.)—Church and Sunday School—C. H. Gillespie, archt. and engr., 1123 Bway., New York, taking bids and opens same about April 25, 3 story, brick, steel and stone, plain foundation, Franklin Ave. and Hillsdale Pl., here, for West Side Presbyterian Church. $175,000.

N. J., Ocean City—Station, etc.—S. Wagner, archt., Reading Terminal, Phila., taking bids 1 story, 15 x 32 ft. and 30 x 112 ft. station and platforms, brick and steel, plain foundation, 4th St., here, for Reading R. R., Reading Terminal, Phila.

Pa., Oil City — Club House — Knights Columbus receiving bids 3 story, 75 x 170 ft. brick and stone, Seneca St. $150,000. J. P. Brenat, Oil City, archt.

Pa., Phila. — Commercial — Richard & Kearns, archts., 10 South 18th St., receiving bids 2 story, 26 x 180 ft. brick, steel and stone, plain foundation, 1620 Vine St., for Flood & Quinn, 16th and Cherry Sts. $150,000.

Pa., Phila.—Hospital—April 15, by A. W. Barnes, archt., 10 South 18th St., 4 story, 43 x 76 ft. and 4 story, 54 x 109 ft. brick, steel and stone addition, plain foundation, Broad and Ontario Sts., for Samaritan Hospital, c/o J. McConell, Broad and Ontario Sts. $200,000.

Pa., Phila. — Office — See "Industrial Works."

Pa., Phila.—School—Hoffman-Henon Co., archts., Finance Bldg., receiving bids 3 story, 111 x 199 ft. rein.-con., brick and steel, plain foundation, 45th and Wyalusing Aves., for Our Mother of Sorrows Roman Catholic Church, 45th and Lancaster Aves. $350,000.

Pa., Phila.—Morris & Erkstine, archts., 1716 Cherry St., receiving bids 3 story, 73 x 123 ft. brick, steel and stone, plain foundation, 16th and Catherine Sts., for Y. M. C. A., 16th and Catherine Sts. $150,000.

Pa., Waynesburg—Bank—Citizens Natl. Bank receiving bids and opens same about May 1, brick and stone, plain foundation. $175,000. Dennison & Hirons, 475-5th Ave., New York City, archts. and engrs.

D. C., Wash.—Church—April 15, by F. Nelson, archt., 15 West 38th St., New York, and C. H. Hunter, associate archt., 206 Davidson Bldg., church at Chevy Chase Circle, here. Owner's name withheld.

N. C., Durham—Office and Lodge—May 20, by Milburn-Heister Co., archts., Union Savings Bank Bldg., Wash., D. C., and Durham, 7 story, 60 x 115 ft., steel, brick, limestone and terra cotta, for Masonic Bldg. Corp. $200,000-$250,000.

O., Andover—High School—April 24, by Bd. Educ., 2 story, 130 x 130 ft. high school. $150,000. R. F. Medicus, 287 Crandall Ave., Youngstown, archt. Noted March 30.

O., Cleveland—Commercial and Market House—J. C. Williams, 12431 Castlewood Ave., taking bids 2 story, 80 x 147 ft., brick and steel, East 123rd St. and Superior Ave. $150,000. Private plans.

O., Euclid—High School—April 27, by Bd. Educ., 1550 Chardon Rd., 2 story, brick, steel and concrete, Shore Rd. $150,000. Knox & Elliot, Engineers Bldg., Cleveland, archts. Noted March 9.

O., Euclid — School — April 27, by Bd. Educ., 1550 Chardon Rd., two 2 story, brick, steel and concrete additions, Bliss and Cut Rds. $170,000. W. H. Nicklas, 1900 Euclid Ave., Cleveland, archts. Noted March 9.

Mich., Ann Arbor—Laboratory, etc.—April 20, by Secretary Bd. Regents University of Michigan, Ann Harbor, 4 story, 189 x 248 ft. laboratory, engineering shops, etc., rein.-con., brick, steel and stone, plain foundation, East University Ave. Smith, Hinchman & Grylls, 710 Wasington Arcade, Detroit, archts. Noted Dec. 8.

Mich., Okemos—School—April 21, by E. P. Kinney, secy. Bd. Educ., 2 story, 82 x 116 ft. agricultural school, concrete and brick, plain foundation. $150,000. W. S. Holmes Co., 212 South Grand Ave., Lansing, archts.

Ill., Chicago—Apartment—A. S. Hecht, archt., 155 North Clark St., receiving bids 3 story, 130 x 135 ft., rein.-con., brick and steel, West End and North Kenneth Aves., for J. A. Baker, c/o architect. $200,000.

Ill., Chicago—Apartment—H. J. Liedberg, archt., 154 West Randolph St., receiving bids 3 story, 100 x 150 ft., rein.-con., brick and steel, Lake View Dr., $200,000. Owner's name withheld.

Ill., Chicago—Apartment—Loewenberg & Loewenberg, archts., 111 West Monroe St., receiving bids 3 story, 125 x 166 ft., rein.-con., brick and steel, Pratt Blvd. near Ashland Ave. $180,000. Owner's name withheld.

Ill., Chicago — Apartment — Loewenberg & Loewenberg, archts., 111 West Monroe St., receiving bids 3 story, 125 x 150 ft., rein.-con., brick and steel, Surf St. near Sheridan Rd., $200,000. Owners name withheld.

Wis., Durand—High School—May 4, Bd. Educ., 2 story, 84 x 140 ft., brick, tile and concrete, plain foundation. $150,000. Oppennamer & Obel, Spencer Bldg., Wausau, archt.

Wis., Milwaukee—Temple—R. E. Oberst, archt., 307 Grand Ave., taking bids building superstructure, 2 story, 94 x 115 ft., brick and concrete, Natl. Ave., for Excelsior Masonic Temple Assn., 110 Reed St. $150,000.

Wis., Spooner—Grade School—April 27, by School Bd., 2 story, 60 x 146 ft., brick, stone and tile. $150,000. W. L. Alban,

Buildings (Continued)

Endicott Bldg., St. Paul, Minn., archt. and engr.

Wis., Stevens Point—Church—April 17, by Childs & Smith, archts., 64 East Van Buren St., Chicago, 1 and 2 story, local stone, plain foundation, for St. Stephens Congregation. Noted March 2.

Wis., Stevens Point—High School—April 21, by Bd. Educ., (1st unit), 3 story, 60 x 160 ft., brick, tile and concrete, plain foundation. $150,000. R. A. Messmer & Co., 221 Grand Ave., Milwaukee, archts.

Ia., Gowrie—School—May 2, by Bd. Educ., 2 story, rein.-con., brick, tile and stone. $150,000. Keffer & Jones, 204 Masonic Temple Bldg., Des Moines, archts. Noted Feb. 24.

Minn., Minneapolis—Hospital—April 17, by Bertrand & Chamberlin, archts., 616 Northwestern Bank Bldg., 1, 2 and 3 story, for A.A.O.M.S. c/o O. M. Lanstrum, 802 Madison St., Helena, Mont., $225,000. Noted Oct. 6.

Wash., Seattle—High School—April 20 by School Bd., 3 story, 200 x 250 ft., rein.-con. and brick, East 24th and Jefferson Sts. $725,000. F. A. Naramore, Securities Bldg., archt. Noted April 6.

Cal., San Francisco—Home—J. Morgan, archt., Merchant Exch. Bldg., receiving bids 3 and 5 story, rein.-con. and brick, Laguna and Page Sts., for Emanu-El Sisterhood. $150,000. Noted April 6.

BIDS RECEIVED

Pa., Phila.—High School—Bd. Educ. opened bids April 6, 3 story, 182 x 290 ft. junior high school, 54th and Warrington Aves., from P. H. Kelly Constr. Co. Terminal Annex Bldg., $639,500; Sinclair & Griggs, Medical Arts Bldg., $662,200; Wark Co., Broad and Walnut Sts., $652,591.

Pa., Phila.—Schools—Bd. Educ., 19th and Chestnut Sts., opened bids April 6, 2 story, 200 x 280 ft. school, Kenmore Rd. and Landsdowne Ave., from Sinclair & Griggs, Medical Arts Bldg., $385,800, Ketcham & McQuade, 1029 Brown St., $392,346, R. E. Lamo Co., Front and Vine Sts., $397,922; 3 story, 183 x 290 ft. junior high school, 13th and Louden Sts., from P. H. Kelly Constr. Co., Terminal Annex Bldg., $623,750, Wark Co., Broad and Walnut Sts., $639,071, M. Melody & Sons, 1322 Race St., $647,400.

O., Shaker Heights (Cleveland, P. O.)—Schools—Bd. Educ. two 1 story, 132 x 154 ft., rein.-con., brick and steel, plain foundations, Sussex and Norwood Rds., from J. Meinhart Constr. Co., Massillon, $199,651; Parish Bros., Wick Ave., Youngstown, $217,500.

Wis., Madison—Administration, etc.—Memorial Hospital Assn. opened bids April 4, (general contract) 3 story, 75 x 200 ft., administration and employees building at State Hospital, rein.-con. and brick, plain foundation, from J. P. Cullen Sons, Hayes Blk., Janesville, $115,608; Willis & Deason, Hayes Bldg., Janesville, $115,504; J. H. Findorff Son, 609 West Wilson St., $121,920. Noted March 16.

CONTRACTS AWARDED

Mass., Athol—Town Hall—For 2 story, 160 x 180 ft., brick, concrete and steel, plain foundation, Center St., to L. B. Taylor, 318 Main St. $250,000.

Mass., Boston—Hospital—A. L. Pearson, archt., 302 Pemberton Bldg., 4 story, 88 x 142 ft., brick and stone, Deaconess Rd., to W. H. Whitcomb Constr. Co., 6 Beacon St., for N. E. Deaconess Hospital Assn. $250,000.

Mass., Boston—Office—Park Sq. Realty Co., 11 story, 75 x 604 ft., rein.-con., steel and stone, Arlington St., to W. A. and H. A. Root, 6 Beacon St., $6,000,000. Noted March 9.

Mass., Holyoke—Church—Perpetual Help Roman Catholic Parish, 51 Fountain St., 1 story, 70 x 184 ft., brick, steel and stone, plain foundation, Elm and Chestnut Sts., to L. A. LaFrance, 292 Maple St. $175,000. Noted March 9.

Mass., Springfield — Bakery Finance Corp. (Crocers Bread Co., owners), Dexter Bldg., 2 story plant, to J. W. Bishop Co., 109 Foster St., Worcester.

Conn., New Britain—Orphanage—H. F. Ludorf, archt., Mutual Bldg., 3 story, 75 x 180 ft., brick, steel and concrete, Orange St., to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport, for Sacred Heart of Jesus Roman Catholic Church (Society of Children of Mary), Orange St. $250,000. Noted Feb. 2.

Conn., Waterbury—School—T. F. Freeney, archt., 51 Leavenworth St., 3 story, 35 x 150 ft., brick and steel, plain foundation, Wolcott St., to W. F. O'Neill, 277 Farmington Ave., Hartford, for Sacred Heart Roman Catholic Church, Wolcott St. $150,000. Noted March 23.

N. Y., New York—Apartment—T. F. Dwyer, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 5 story, brick, steel and stone, plain foundation, Ogden Ave., by day labor. $200,000.

N. Y., New York—Apartment—Fusion Realty & Constr. Co., c/o D. S. Lang, archt. and engr., 110 West 34th St., 5 story, brick, steel and stone, plain foundation, Fox St., by day labor. $200,000. Noted Nov. 3.

N. Y., New York—Apartment—Marion Decatur Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., brick, steel and stone, plain foundation, Decatur Ave. and Bedford Park Blvd., by day labor. $350,000.

N. Y., New York—Apartment—J. C. and M. G. Mayer, 347 Madison Ave., 6 story, 75 x 100 ft., brick, steel and stone, plain foundation, 13-17 West 97th St., by day labor. $300,000. Private plans.

N. Y., New York—Apartment—Nine Fifteen West End Corp., 601 West 115th St., 15 story, 100 x 100 ft., brick, steel and stone, plain foundation, West End Ave. and 105th St., by day labor. $900,000. R. Candela, 200 West 72nd St., archt. and engr.

N. Y., New York—Apartment—Siegfried Constr. Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 story, brick, steel and stone, plain foundation, 211 Ft. Washington Ave., by day labor. $300,000.

N. Y., New York—Apartment—Walton Holding Co., c/o C. Kreymborg, archt and engr., 2534 Marion Ave., 5 story, brick, steel and stone, plain foundation, Morris Ave., by day labor. $150,000.

N. Y., New York—Church—Abyssinian Baptist Church, brick and stone, plain foundation, 7th Ave. and 138th St., to Miller-Reed Co., 103 Park Ave., $210,000.

N. Y., New York—Hospital—New York Soc. for Relief of Ruptured & Crippled, 321 East 42nd St., altering and building 6 story, brick, steel and stone addition, plain foundation, to M. Eidlitz, 41 East 42nd St., $200,000.

N. Y., New York—Hotel—I. Fleugelman, Hotel Hamilton, 143 West 73rd St., 15 story, 204 x 220 ft., brick, steel and stone, plain foundation, Madison Ave. between 85th and 86th Sts., to F. T. Ley, 19 West 44th St., $2,500,000.

N. Y., New York—Loft—One West 39th St. Corp., c/o Starrett & Van Vleck, archts. and engrs., 8 West 40th St., 12 story, brick, steel and stone, plain foundation, 1 West 39th St., to Rheinstein & Hass, 21 West 40th St. Noted April 6.

N. Y., New York—Theatre and Store—Jupiter Realty Co., c/o J. A. Dunnigan, archt. and engr., 394 East 150th St., brick, steel and stone, plain foundation, Walton Ave., by day labor. $150,000.

N. Y., S. I. St. George—Apartment—Snug Harbor Realty Co., c/o E. Roth, archt. and engr., 119 West 40th St., New York, brick, steel and stone, plain foundation., Stuyvesant Pl., here, by day labor. $350,000.

N. J., Elizabeth—School—St. Marys Church 2 story, 136 x 166 ft., brick and steel, to McAvoy Bros., 11 6th St., Harrison, $155,000. Noted Dec. 1.

N. J., Jersey City—Apartment—J. Gatoff, c/o N. Welitoff, archt. and engr., 249 Washington, St., 5 story, brick, steel and stone, plain foundation, Bergen Ave., by day labor.

N. J., Jersey City—School—C. F. Long, archt. and engr., 665 Newark Ave., 3 story, 70 x 125 ft., brick and granite, to J. Monks & Sons, 438 Bway., New York, for St. Josephs Roman Catholic Church, c/o architect. Noted March 16.

N. J., Scudder Falls (Wiburtha P. O.)—School—State Bd. Educ., State House, Trenton, general contract State School for Deaf, here, incl. dining hall, boiler house, pump house, etc., to Wills, Bills & Co., 1708 Samson St., Phila., $279,430; heating work, to Dickman Heat & Power Co., Camden, $34,332; plumbing to Jaehnig & Peoples, 221 13th Ave., Newark, $28,513; electrical work, to Busby & Thomas, Washington Ave., Phila., $10,700; sewage disposal plant to Simpson-Brown Co., 90 West St., New York, $16,181. Noted March 16.

D. C., Wash.—Hotel—Hanford Hotel Co., c/o H. A. Gillis, pres., 3711 Keokuk St., Chevy Chase, 8 story, (300 rooms), to Weed & Stanton, 913 F St., N. W., $1,500,000.

W. Va., Morgantown—**Law School**—**State** Bd. Control, 403 Capitol St., **Charleston**, 2 story, 90 x 120 ft., rein.-con., brick and marble, to C. D. Keyser & Co., Bellaire, O., $155,340. Noted March 2.

Fla., Eustis — Hotel — Fountain Inn Hotel Co., 4 story, rein.-con., brick and steel, to C. M. Emerson & Co., Brooksville, $250,000.

O., Cincinnati—Clubhouse—S. Hannaford & Sons, archts., Dixie Terminal Bldg. and Garber & Woodward, archts., Union Central Bldg., 11 story, 88 x 200 ft., rein.-con., brick and steel, Race and 8th Sts., to J. and F. Harig, 1240 Queen City Ave., for Cincinnati Business Mens Club, 9th and Race Sts. $907,900. Noted Feb. 16.

O., Dayton—Apartment—Merchants Natl. Bank, 3rd and Jefferson Sts., 4 story, rein.-con. and brick, plain foundation, Grand Ave., to W. E. and A. F. Becher, 401 Lindsey Bldg., $200,000.

O., Painesville—High School—Bd. Educ., 2 story, 190 x 210 ft., brick and concrete, to Hearn Constr. Co., 3855 Parkdale Rd., Cleveland, $233,176. Noted March 23.

Mich., Detroit—Auditorium and Arcade—J. H. Thompson Realty Co., c/o Esselstyn & Murphy, engrs., 3456 Cass Ave., 1 and 2 story, 400 x 700 ft. concrete, brick and steel, plain foundation, to J. Finn & Son, 708 Amsterdam Ave., $750,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story, rein.-con., brick and steel, plain foundation, Sylvester Ave., to J. Bollin Co., 2032-1st Natl. Bank Bldg., $150,000. Noted April 6.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., 3 story, 125 x 142 ft., rein.-con., brick and steel, North Shore and Newgard Aves., to A. Lindstrum, 30 North Dearborn St., for R. C. Biederman, 2225 West Grand Ave., $275,000. Noted Jan. 5.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., 3 story, 150 x 170 ft., rein.-con., brick and steel, Greenview and Lunt Ave., to A. Lindstrum, 30 North Dearborn St., for R. W. Matteson, 140 North Dearborn St., $200,000. Noted Feb. 9.

Ill., Chicago—Apartment—P. G. Stoeckert, 2848 Wilson Ave., 3 story, 125 x 150 ft., rein.-con., brick and steel, 4230-34 North Whipple St., to N. S. Borg, 7648 East Lake Terrace, $250,000.

Ill., Chicago—Bank, Store and Office—Builders and Merchants State Bank, c/o J. A. Nyden, archt., 190 North State St., 3 story, rein.-con., brick and steel, Clark and Foster Sts., to J. A. Lundstrum & Co., 1401 Balmore Ave.,$300,000.

Ill., Chicago—Office—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., altering 16 story, to J. Griffiths & Son Co., 112 West Adams St., $1,000,000.

Ill., Chicago—Office—H. Rothschild, c/o D. S. Klafter, archt., 64 West Randolph St., remodeling 6 story, 41 x 82 ft., rein.-con., brick, steel and terra cotta, 116-120 South Wells St., to Reid & Cullinane, 140 South Dearborn St., $150,000.

Ill., Chicago—Store and Office—D. S. Klafter, archt., 64 West Randolph St., 4 story, rein.-con., brick and steel addition, Irving Park Blvd. and Bway., to Behrens Constr. Co., 2149 North Talman Ave., for O. Lorenz, 3962 Bway. $175,000. Noted March 16.

Ill., Waukegan — Hospital — R. E. Schmidt, archt., 104 South Michigan Ave., Chicago, 2 story, brick, rein.-con. and steel, on Sheridan Rd., here, to Bongard & Christensen, 2222 Kinzie Ave., Racine, Wis., for Victory Memorial Hospital Bd. Noted March 2.

Wis., Chippewa Falls—High School—Bd. Educ., general contract 2 story, 90 x 200 ft., brick, rein.-con. and steel, plain foundation, to Schafer & Olson, 501 High St., $116,417. Noted March 30.

Wis., Merrill—Grade School, etc.—School Bd. 3 story addition to high school, to Lindhart-Bayer Constr. Co. South Barstow St., Eau Claire, $165,849; 2 story grade school, to C. Hackbarth, 314 Bridge St., Wausau, $56,000, both brick and tile, plain foundations. Noted March 16.

Wis., Milwaukee—Mercantile—E. Wiener, 307 7th St., 6 story, 50 x 150 ft., rein.-con. and brick, plain foundation, 7th St., to Dahlman Constr. Co., 456 Bway. Noted March 23.

Wis., Monroe—Church—St. Johns Evangelical Congregation, 1 and 2 story, brick and tile, plain foundation, to J. Barth and F. Richard, Monroe. Noted Feb. 9.

Minn., Minneapolis—Apartment—Ambassador Holding Co., 630 McKnight Bldg., 3 story, 112 x 192 ft., rein.-con., brick, tile and stone, 19th St. and 2nd Ave., to N.

Buildings (Continued)

Bruce, 512 McKnight Bldg., $300,000. Noted March 16.

Minn., Minneapolis—Apartment—Fleisher Constr. Co., 608 Builders Exch. Bldg., will build 3 story, 105 x 108 ft., brick and tile, 2629 Girard Ave. S. $150,000.

Cal., San Francisco—Store and Lofts—W. N. Moore & Co. Inc., 7 Front St., 8 story, Fremont and Mission Sts., to Foundation Co., Holbrook Bldg., $500,000. Noted April 6.

Federal Goverment Work

BIDS DESIRED

Mass., West Roxbury (Boston P. O.)—Recreation Building—April 26, Treas. Dept., Wash., D. C., recreation building at U. S. Veterans Hospital 44, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

N. Y., New York—Removal of Wreck—May 4, by U. S. Engineer, Room 710, Army Bldg., removing wreck of S. S. Malden, sunk in fairway of entrance to Block Island Sound; adv. this issue.

Pa., Phila.—Dredging—May 15, Supt. of Lighthouses, Phila., dredging at Edgemoor Lighthouse Depot, Del.; adv. this issue.

Md., Baltimore—Kitchen, etc.—April 27, by Treas., Dept., Wash., D. C., kitchen for Junior Medical Officers' quarters and miscellaneous repairs to main buildings, here. J. A. Wetmore, acting superv. archt.

D. C., Bellevue—Roads, Etc.—Spec. 4585—May 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., walks, roads and grading, here. Noted Feb. 23.

D. C., Wash.—Oil Storage Plants, etc.—Spec. 4607—April 26, by Bureau Yards & Docks, Navy Dept., oil storage plant, water tank, etc. at Coco Solo, oil tank with piping from tank to main at Balboa, etc. L. E. Gregory, ch. of Bureau, adv. this issue. Noted April 6 under "Panama."

Va., Cape Henry—Plotting Room, etc.—May 12, U. S. Engineer, Norfolk, plotting room and switchboard room, at Ft. Story, here; adv. this issue.

Va., Hampton Roads—Fuel Oil Storage—Spec. 4590—April 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., fuel oil storage tanks, pumps, etc., at Naval Operating Base, here. L. E. Gregory, ch. of Bureau; adv. this issue.

Fla., Orlando—Alterations—May 5, Treas. Dept., Wash., D. C., balcony, changes to Post Office screen, etc., here. J. A. Wetmore, acting superv. archt.

Ill., East St. Louis—Mailing Vestibule, etc.—April 25, by Treas. Dept., Wash., D. C., mailing vestibule, etc., at U. S. Post Office and Court House here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Tex., Austin—Alterations—May 2, Treas. Dept., Wash., D. C., alterations, in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Cal., Mare Island—Remodeling Quarters—Spec. 4593—April 19, at Public Wks. Office, Navy Yard, here, remodeling Quarters M-1, Navy Yard, here. L. E. Gregory, ch. of Bureau. Noted March 9.

H. T., Pearl Harbor—Machine Shop—Spec. 4518—June 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., completion of machine shop, here.

BIDS RECEIVED

N. Y., Pelham Bay—Park Restoration—Spec. 4588—Bureau Yards & Docks, Navy Dept., Wash., D. C., restoration of park, here, from Fleming & Sheppard, 401 West 59th St., New York, (1) $57,034 (75 days); W. P. McDonald Constr. Co., 17 West 42nd St., New York, $58,425 (75 days); Spadaro Constr. Co., 827 East 217th St., New York, $68,000 (75 days). Noted March 23.

Cal., San Diego—Equipment—Spec. 4596 Bureau Yards & Docks, Navy Dept., Wash., D. C., kitchen and diet kitchen equipment, here, (1) work complete, from S. B. Sexton Stove and Mfg. Co., 500 Block West Conway St., Baltimore, Md., (1) $19,154 (60 days) (2) add $540 (3) deduct $100; Ingle Mfg. Co., 643 G St., (1) $22,235 (60 days) (2) deduct $600 (3) deduct $599; Parmelle-Dorman Co., 436 South Bway., Los Angeles, (1) $30,600 (60 days) (2) add $122.60 (3) deduct $507 telegraphic modification $28,485.

Cal., San Diego—Roads and Walks—Spec. 4502—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks, at Naval Base Training Station (1) work complete from Riley & Peterson, Loma Portal (1) $60,000 (140 days) (2) $50,000 (130 days) (3a) $1. (3b) $3.50 (3c) $2.50 telegraph is modification (1) $53,000 (2) $41,800 (55 days) (3a) add $1 deduct $0.50 (3b) $5.70 (3c) $2; Wright & Doran, 345 Spreckles Bldg., (1) $63,000 (90 days) (2) $48,000 (90 days) (3) $2.80 road $2.30 walk telegraphic modification, deduct from (1) $3,000. (2) $1,000; G. E. Eng. Co., 449 West 42nd St., New York, (1) $73,700 as spec. (2) $57,700 (3a) $1. (3b) $3.20 (3c) $2.25. Noted March 23.

CONTRACT AWARDED

Va., Salem — Post Office — Treas. Dept., Wash., D. C., U. S. Post Office, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $50,684. Noted April 6.

N. C., Wilmington—Dredge Tender—U. S. Engineer, motor dredge tender, "Watcoosa," to R. T. Green Co., Chelsea, Mass., $5,831. Noted Feb. 23.

Miscellaneous

PROPOSED WORK

Bath House—Lawrence, Mass.—Plans 2 story, 60 x 140 ft., bath house, Ward Four Playground. $40,000.

Park, etc.—Portsmouth, Va.—Had plans prepared for park incl. playgrounds, golf course, baseball diamond, etc., $25,000. S. A. Arnold, Bromfield St., Boston, Mass., landscape archt.

Transmission Lines — Remington, Va. — Wheatlep Falls Power Co. plans transmission lines, etc., for distribution of electric current throughout Culpeper Co. $50,000-$75,000. A. L. Hord, pres.

Ball Park, Swimming Pool, etc.—Clarksburg, W. Va.—May 9, to vote on $40,000 bonds, constructing ball park, swimming pool, etc. T. Long, city engr.

Docks, Bulkheads, etc.—Tampa, Fla.—Plans to vote on $450,000 bonds constructing 2,000 lin.ft. concrete docks, platform, bulkheads and piling. R. D. Martin, city engr.

Extensions to Telephone System—Tampa, Fla.—Peninsula Telephone Co., Zack and Morgan Sts., plans extensions and improvements to system, including replacement of aerial wires by underground cable and installing automatic system in some exchanges, by day labor. $250,000. W. G. Brorein, genl. mgr.

Freight Handling Machinery, Electric Trucks, Tampa, Fla.—See "Industrial Works."

SUBWAY—ROCHESTER, N. Y.

Bids were received (lowest 3) by Bd. Contr. & Supply, Mar. 29, for constructing subway from Court to Oak Sts., Contr. 1, from (A) Scott Bros., Arlington Blk., Rome (B) Walsh Constr. Co., Herald Bldg., Syracuse; (C) A. Friederich & Sons Co., 710 Lake Ave., Rochester. The unit bids were as follows:

	A	B	C
Clearing (lump sum)	$2,500.00	$2,000.00	$2,500.00
22,000 cu.yd. earth excavation in grading	1.25	1.50	1.25
1,000 cu.yd. earth excavation in trenches and pits	1.50	1.60	1.50
64,000 cu.yd. rock exavation in grading	2.62	2.55	3.25
3,000 cu.yd. rock excavation in trenches and pits	5.00	4.50	5.00
2,200 cu.yd. aqueduct masonry excavation	5.00	4.00	6.00
400 cu.yd. rock excavation in tunnel	14.00	12.00	17.50
11,000 sq.ft. channelling	.80	.96	.80
80,000 lin.ft. of hole line drilling	.19	.22	.23
80 per M. ft. y.p., timber and plank in place	50.00	70.00	70.00
10 per M. f.. sheeting and bracing when left in place	40.00	60.00	50.00
750 cu.yd. class A concrete in place	23.50	18.75	23.25
27,000 cu.yd. class B concrete in place	16.50	16.50	16.00
4,000 cu.yd. class C concrete in place	10.00	12.00	10.00
6,500 cu.yd. class D concrete in place	7.00	9.60	7.90
200 cu.yd. cut stone masonry, including arch rings	80.00	70.00	60.00
10,000 sq.ft. granolithic finish	.30	.35	.35
10,000 sq.ft. granolithic finish tooled	.45	.50	.45
3,000 lin.ft. concrete parapet and balustrade	11.50	11.00	11.00
1,500,000 lb. structural steel in place	.03½	.04	.0365
3,500,000 lb. metal reinforcement in place	.03½	.03½	.038
6,000 lb. iron castings in place	.07	.06	.07
60,000 sq.ft. paint waterproofing in place	.04	.04	.04
66,000 sq.ft. membrane waterproofing in place	.19	.20	.19
20 cu.yd. brick masonry in place	20.00	15.00	21.00
620 lin.ft. 36 in. segment block sewer in place	8.00	8.00	8.50
240 lin.ft. 42 in. segment block sewer in place	9.00	9.00	9.25
1,000 lin.ft. 15 in. vitrified pipe sewer in place	1.20	1.10	1.15
600 lin.ft. 12 in. vitrified pipe sewer in place	.90	.85	.90
1,500 lin.ft. 8 in. vitrified pipe sewer in place	.55	.50	.55
1,000 lin.ft. concrete cradle for 15 in. sewer in place	.80	.80	.90
600 lin.ft. concrete cradle for 12 in. sewer in place	.65	.70	.70
1,500 lin.ft. concrete cradle for 8 in. sewer in place	.50	.60	.55
90 "Y" branches for segment block sewer	1.50	1.80	1.50
50 "Y" branches for 15 in. vitrified pipe laid	2.00	2.40	1.75
30 "Y" branches for 12 in. vitrified pipe laid	1.50	1.80	1.25
4 sewer manholes not exceeding 8 ft. deep	100.00	100.00	100.00
50 lin.ft. sewer manholes exceeding 8 ft. Additional ft. in depth	10.00	10.00	10.00
10 removing trees	25.00	50.00	1.00
5,000 lin.ft. laying 8 in. cast iron pipe	.50	.50	.50
4,500 sq.yd. preparation of subgrade for pavement intersecting streets	.20	.20	.20
7,000 sq.ft. preparation of subgrade for sidewalks intersecting streets	.02	.02	.02
1,000 lin.ft. 5 in. medina stone curb in place	1.75	1.75	1.70
300 lin.ft. medina stone curb reset	1.00	1.00	1.00
1,300 lin.ft. 4 in. vitrified pipe tile under curb in place	.18	.20	.16
21,000 sq.yd. 2 in. asphalt pavement wearing surface	1.25	1.50	1.25
21,000 sq.yd. asphalt binder course	.50	.40	.50
700 sq.yd. medina stone pavement wearing surface	4.00	4.00	4.30
700 sq.yd. 1 in. sand cushion for medina stone pavement	.10	.10	.10
120,000 sq.ft. single course cement walks	.20	.20	.20
1,000 sq.ft. side walk relaid	.07	.07	.08
400 lin.ft. 4 in. weepers	1.50	.15	1.30
1,000 lin.ft. of hole jackhammer drilling	.25	.30	.25
12 surface sewers complete in intersecting streets	35.00	35.00	35.00
28 setting castings to manholes for electric cable conduits	7.50	7.00	5.00
90 setting anchor bolts and pipe conn. for lighting poles	5.00	5.00	5.00
14 setting receptacle and pipe conn. for lighting poles	4.00	4.00	4.00
42,000 lin. duct. ft. placing ducts for electrical cable in structure	.03	.03	.02½
80,000 lin. duct. ft. placing ducts for electrical cable including concrete	.048	.04	.04½
14 setting manhole castings for duct manhole	10.00	10.00	5.00
14 setting handhole covers for duct	5.00	5.00	3.00
7,200 lin.ft. 1½ in. conolets in side walls, etc.	.30	.25	.35
75 junction boxes in condolet	6.00	5.00	6.00
Coffer-dams, pumping, bailing and draining (lump sum)	10,000.00	6,000.00	3,000.00
Taking care of sewage and surface drainage (lump sum)	2,000.00	2,000.00	2,000.00
Maintaining street traffic (lump sum)	5,000.00	5,000.00	5,000.00
Removing bridges and delivering to points specified (lump sum)	9,000.00	10,800.00	9,000.00
10,000 sq.ft. wire netting in place	.08	.08	.03½
2,000 lb. wrought iron in place	.08	.08	.08
250 cu.yd. rubble masonry in place	4.00	4.80	4.75
7,200 lin.ft. 2½ in. iron pipe conduit in place	.15	.12	.17
1,500 cu.yd. cinder fill under walk	1.30	1.50	1.50
Extended totals	$1,183,780	$1,208,910	$1,222,010

Miscellaneous (Continued)

Signals, Interlockers, etc.—Chicago, Ill.—Atchison, Topeka & Santa Fe R.R., Railway Exch., plans new signals, interlockers, etc., $446,288; rails and tracks materials, $1,101,868. M. J. Collins, purch. agt.

Excavator, etc. — Minneapolis, Minn. — Hennepin Co. rejected bids opened April 3, one No. 206 P & H excavator with full revolving crane, full corduroy traction with two propelling speeds. E. E. Terrell, co. engr. Noted March 23.

Transmission Line—Andale, Kan.—Having plans prepared and opens bids about May 15, 20 mi. transmission line, from here to Wichita through Colwich. Ruckel Eng. Co., Hutchinson, engrs. Noted Feb. 16.

Gas Line—Douglas, Wyo.—C. A. Guenther plans to tap Lance Creek Gas Field and run pipe line into Douglas also extend line from Douglas to Cheyenne, Wheatland and Chugwater. Prices wanted on pipe.

Gas Line—Thermopolis, Wyo.—Thermopolis Natural Gas Co. plans pipe line from here to Golden Eagle Dome, $225,000.

Drilling — Arkona, Ont. — Arkona Oil & Gas Co., plans extensive drilling operations. $35,000. Prices wanted on pipe and equipment.

Road Machinery — Simcoe, Ont. — See "Streets and Roads."

Electric Lighting and Power System—Wilton Grove, Ont.—Westminster Twp. having surveys made electric lighting and power distribution system. $35,000. A. Purcell, 190 University Ave., Toronto, engr.

Pier—Vancouver, B. C.—Canadian Pacific Ry., Seymour St., had plans prepared 750 ft. rein.-con. and steel double deck pier. $1,500,000.

BIDS DESIRED

Asphalt Road Oil, etc.—Brooklyn, N. Y.—April 19, by E. Riegelmann, boro pres., Boro Hall, furnishing and delivering 200,000 gal. asphalt road oil and 150,000 gal. tar road surfacing material delivered by rail to any or all railroad stations in boro.

Well Drilling Outfit—Buffalo, N. Y.—April 17, by Bureau Pub. Utilities, 332 Ellicott St., complete well drilling outfit, incl. complete rig, derrick, engine, boiler, tools and auxillary apparatus, for drilling wells to 4,000 ft. depths and up to 15 in. in diameter.

Truck, etc.—Elmira, N. Y.—Bd. Pub. Wks. taking bids one 2 ton truck, one 5 ton tractor and 2 road machines. G. W. Jarchow, clk.

Triplex Chain Hoist, etc. — Henderson Harbor, N. Y.—Snow Garage Co., in market for one 2½ ton triplex chain hoist with 300 ft. track and traveler.

Tractor—Waverly, N. Y.—B. Gould taking bids for tractor for Pub. Wks. Dept.

Fuel Oil—Phila. Pa.—April 20, by L. J. Acker, purch. agt., 312 City Hall, 20,000 gal. 19/25 B. E. gravity fuel oil.

Rein.-Con Pipe—South Carolina—April 22, by State Hy. Dept., constructing all rein. pipe to be used on contracts during May, June and July.

Tanks, etc.—Orlando, Fla.—See "Industrial Works."

Stone and Screenings—Kentucky—April 20, by State Hy. Comm., Frankfort, delivering 7,917 ton top course stone and 1,880 ton screenings for road repairs in Whitley Co., f.o.b. Woodbine, Wofford and Williamsburg. J. S. Boggs, state highway engr.

Dike—Saulte Ste. Marie, Mich.—May 16, at office L. H. Davis, genl. mgr. Michigan Northern Power Co., completing dike above span 5 of International Bridge, and excavating from gates 9 to 16 inclusive; adv. this issue.

Paving Materials—St. Paul, Minn.—April 17 by H. W. Austin, city purch. agt., one car 3½ in. creosoted wood blocks; 12,000 (more or less) cement sidewalk tile, 24 in. square, and six thousand, 18 in. square. O. Claussen, city engr.

Transmission Line—Andale, Kan.—Takes bids about May 15, 20 mi. transmission line, from here through Colwich. Ruckel Eng. Co., Hutchinson, engrs. Noted Feb. 16.

Steam Shovel—Kansas City, Mo.—W. R. Taylor, 919 Baltimore St., in market for steam shovel.

Race Track, etc.—Sedalia, Mo.—May 27, by Missouri State Fair Assn., race track, swine pavilion and remodeling grand stand. $175,000. T. O. Stanley, Box 90, engr.

Electric Lighting and Power System—Crediton, Ont.—Council receiving bids for electric lighting and power distribution system from here to Centralia. $35,000. J. N. Wilson, 190 University Ave., Toronto engr.

Cement — London, Ont. — H. A. Brazier, city engr., taking bids on cement in quantity.

BIDS RECEIVED

Entrance, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., opened bids April 10, (1) entrance to 168th St. Sta. of Manhattan-Bronx Rapid Transit R.R., (2) station finish work for part of 14th St.-Eastern Rapid Transit R.R., (3) miscellaneous construction and station finish, agreement "BH," from Holbrook, Cabot & Rollins Corp., 52 Vanderbilt Ave., (1) $283,332; J. Riches, 23 Willow Pl., Brooklyn, (1) $295,000; J. Schlesinger, Inc., 259 West 30th St., (1) $299,322, (2) $223,000; J. S. Brown, 7 East 42nd St., (2) $208,000; Rosenthal Eng. & Contg. Corp., Fulton St., Brooklyn, (2) $224,900; G. Colon & Co., 81 East 125th St., (3) $12,584; N. A. Deiser, 296 Fenimore St., Brooklyn, (3) $14,052; Gustin Morris Contg. Co., (3) $14,875. Noted March 30.

Bituminous Material, etc.—St. George, S. I., N. Y.—M. J. Cahill, pres. Richmond Boro, opened bids April 3, furnishing and delivering (1a) 125,000 gal. bituminous material for road surfacing, in tank cars at any railroad station in Boro., (1b) furnishing and applying 125,000 gal. bituminous material on streets, (2) 5,000 wood blocks 3 x 4 x 8 in., 5,000 wood blocks 4 x 3 x 8 in., 15,000 wood blocks 3 x 3 x 8 in. at DuBois Ave. Store Yard of Bureau of Highways, (3) 400 ton asphaltic cement at asphalt plant of Bureau of Highways, Tompkins Ave., Clifton, (4) 850 cu.yd. screenings of trap rock, granite, limestone or dolomite, (5) 750 cu.yd. sand, (6) 1,500 cu.yd. 1½ in. broken stone, 200 cu.yd. ¾ in. broken stone, 150 cu.yd. screenings of trap rock, granite, limestone or dolomite, in Dist. 1, (7) 1,600 cu.yd. 1½ in. broken stone, 200 cu.yd. ¾ in. broken stone and 120 cu.yd. screenings and trap rock, granite, limestone or dolomite, in Dist. 2, (8) 2,100 cu.yd. 1½ in. broken stone, 150 cu.yd. ¾ in. broken stone and 150 cu.yd. screenings of trap rock, granite, limestone or dolomite, in Dist. 3, (9) 61,150 cu.yd. grits in Dist. 1, (10) 1,250 cu.yd. grits in Dist. 2, (11) 1,650 cu.yd. grits in Dist. 3, from Lewis Mfg. Co., Ferris Ave. and 177th St., New York, (1a) $11,875; Barrett Co., 40 Rector St., New York, (1a) $12,112, (1b) $0.145 per gal.; Amer. Creosoting Co., 17 Battery Pl., New York, (2) $71, $62, $56, total $1,505; Standard Oil Co. of New York, 26 Bway., New York, (3) $8,188; M. Terry, (3) $8,720; Warner Quinlan Co., 79 Wall St., New York, (3) $9,000; J. E. Donovan, 2205 Richhmond Terrace, Port Richmond, (3) $12,440, (alternate bid) Mex. A, $8,740, (6) $5,385, (8) $8,895, (9) $2,875, (10) $3,675, (11) $5,280; B. Turecamo Contg. Co., 8706 Bay 12th St., Brooklyn, (4) $2,193, (5) $1,380, (6) $5,698, (7) $6,202, (8) $9,312, (10) $4,000; Liberty Trucking & Contg. Co., 4) $2,405, (5) $1,425, (7) $6,144; J. Johnson Sons, West New Brighton, (4) $2,533, (6) $5,847, (7) $5,742, (8) $8,655 (9) $3,450, (10) $4,062, (11) $5,775; Whitlock & Son, 99 Williams St., New York, (5) $1,350; Rosoff Sand & Gravel Co., (9) $3,450, (10) $4,062, (11) $5,775. Noted March 30.

Fire Pumps—Norfolk, Va.—Opened bids March 29, (a) 4 pumps and 4 engines bare, (b) equipped with nozzles and manifolds, from J. D. Westbrook, Inc., Water St., (a) $23,950, (b) $24,850; T. G. Burke, Citizens Bank Bldg., (a) $22,960, (b) $28,785; Lea Courtenay Co., East Ferry and Main Sts., Newark, N. J., (a) $24,960, (b) $28,425. Noted March 23.

Grandstand — Akron, O. — Summit Co. opened bids April 3, rein.-con. grandstand for fair ground, from Harbaugh Constr. Co., 26 Cherry St., $44,000; A. W. Morrette, 945 Beardsley St., $45,000; T. E. McShaffrey, Forge St., $47,000.

Subway—Cincinnati, O.—Rapid Transit Comn., City Hall, opened bids March 31, grading and rein.-con. work for Sect. 6 of Rapid Transit Subway from Hopple St. to Mitchell Ave., from J. T. Adams & Winchell Co., Ferris Bldg., Columbus, $310,837; Hickey Bros., Plum and Ann Sts., $323,660; F. R. Jones Co., 111 West Washington St., Chicago, and 2204 Central Ave., Cincinnati, $336,502. Noted March 16.

Breakwater—Milwaukee, Wis.—Park Bd. opened bids April 5, 560 ft. rubblemound breakwater from end of present crib to Russell Ave., involving 40,700 ton stone, from E. E. Gillen Co., 288 East Water St., $2.92 per ton; Great Lakes Dredge & Dock Co., 216 West Water St., $3.54; Central Dredging Co., Bangor Bldg., Cleveland, O., $4.15.

CONTRACTS AWARDED

Cement — Boston, Mass. — Supply Dept., 10,000 bbl. cement, to J. Masserman & Co., Chelsea, $2.79 per bbl. less $0.10.

Granite Paving Blocks—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 50,000 new granite paving blocks, to J. Meehan & Son, 74 Cortland St., $131.75 per M. Noted April 6.

Tar Road Oil, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Municipal Bldg., furnishing and delivering 100,000 gal. tar road oil, to F. J. Lewis Mfg. Co., 177th St. and Ferris Ave., $0.0884 per gal.; 6,000 cu.yd. asphalt wearing surface sand, to Colgan & Colgan, 394 Jay St., Brooklyn, $7,500; 4,000 cu.yd. 1½ in. and 500 cu.yd. ¾ in. broken trap rock stone, 2,000 cu.yd broken trap rock stone screenings, to New Haven Trap Rock Co., North Branford, Conn., $17,420; 2,000 bu. coke, to W. J. Shea, 100 Bway., $5,000; long leaf yellow pine lumber, to E. R. Mill & Lumber Co., $1,340; Spruce, cypress, etc., to J. A. Maloney & Co., 1182 Bway., $3,467. Noted April 6.

Steam Ashes—Richmond Hill (Jamaica, P. O.) N. Y.—M. E. Connolly, pres. Queens Boro, 68 Hunterspoint Ave., Long Island City, furnishing and delivering 12,000 ton steam ashes, here, to F. Starr Contg. Co., 220 West 42nd St., New York, $13,680; 20,000 gal. fuel oil, to Texas Co., 17 Battery Pl., New York, $1,032. Noted March 30.

Asphaltic Oil—Trenton, N. J.—Furnishing 41,000 gal. aspahltic oil, to A. G. Thompson, 100 South Overbrook Ave., $0.3575 per gal.; 250 ton asphaltic cement, to Atlantic Refining Co., 1211 Chestnut St., Phila., $14.70.

Coal Tar Road Oil—Louisville, Ky.—Jefferson Co. furnishing 200,000 gal. coal tar road oil, to S. F. Troxell Co., 146 North 3rd St., $0.125 per gal.

Equipment—Manitowoc, Wis.—Belt conveyor, to Northern Conveyor Co., 3204 Auer Ave., Milwaukee; tar heater, to Manitowoc Electric Art Welding Co., Manitowoc; sewer renovator, to Turbine Sewer Machine Co., 193 11th St., Milwaukee. Noted Dec. 22.

Cement—Milwaukee, Wis.—For 10,000 bbl. cement, to Schneider Fuel & Supply Co., 29th and Forest Home Aves., $2.34 per bbl. Noted March 30.

Road Oil—Milwaukee, Wis.—For 50,000 gal. road oil, to Bacher Asphalt Paving Co., 7 South Dearborn St., Chicago, $0.118 per gal. Noted March 23.

Fill—Dubuque, Ia.—Dubuque Co., 420,000 cu.yd. fill for Raffertys Slough, to La Crosse Dredging Co., La Crosse, Wis., $75,000.

Coal Dock—Duluth, Minn.—Inland Coal & Dock Co., foot of 50th Ave. W., 500 ft. extension to coal dock, 300 ft. rein.-con. face, pile foundation, concrete apron, to R. W. Buck, Inc., 16-1st Natl. Bank Bldg., Superior, Wis., $150,000.

Gas Mains—Minneapolis, Minn.—Minneapolis Gas Light Co., 16 South 7th St., will install 22 mi. gas mains, by day labor. $279,000.

Paving Brick—Minneapolis, Minn.—For 2,125,000 vitr. paving brick, to Reliance Brick Co., 1213 Builders Exch. Bldg., $34.90 per M. Noted Feb. 16.

Asphalt—St. Paul, Minn.—For 400 ton asphalt, to Minnesota Road Equipment Co., 427 Plymouth Bldg., Minneapolis. $19.95 per ton. Noted March 30.

Road Patrols and Drags—Brookings, S. D.—Brookings Co., one road patrol to Stockland Road Mchy. Co., 3327 East 27th St., Minneapolis Minn., $191; one to Galion Iron Wks. & Mfg. Co., 922 Laurel Ave., Minneapolis, $150, one to J. D. Adams & Co., 310 North 1st St., Minneapolis, $155; two drags to Russell Grader Mfg. Co., 2005 University Ave., S. E., Minneapolis, $275, one to T. J. Engels Welding & Mfg. Wks., 166 West 4th St., St. Paul, Minn., $149. Noted Feb. 16.

Oil Storage Tanks—Cushing, Okla.—Sinclair Crude Oil Purchasing Co., Tulsa and New York, fabrication and erection twenty 80,000 bbl. oil storage tanks, here, to Phoenix Iron Wks. Co., Meadville, Pa.

Sand, Rock and Gravel—Oroville, Cal.—Butte Co. furnishing and delivering 100,000 ton rock, sand and gravel, to Coast Rock and Gravel Co., Call Bldg., San Francisco, rock $1, sand $0.60, gravel $0.50.